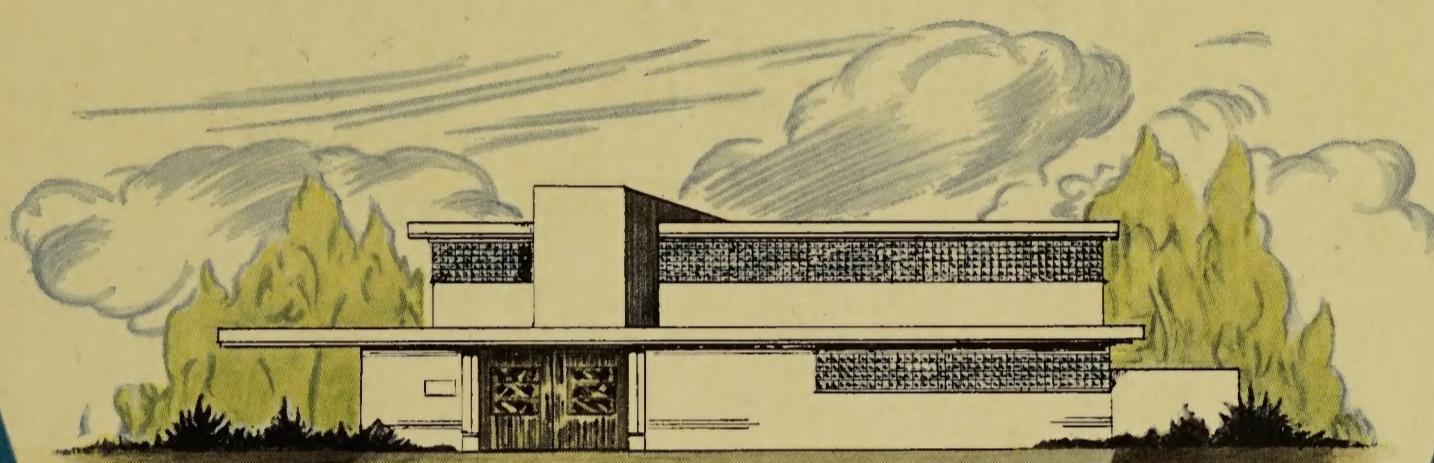


B E S S E R



Modular
STANDARD
Building Units

BESSER MANUFACTURING CO. — ALPENA, MICH.

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B E S S E R

Modular

STANDARD BUILDING UNITS

Almost unlimited are the advantages in using Besser Modular Standard Concrete Building Units. With the variety of structural shapes available these units are now used with equal effectiveness in all types of construction.

The American Standards Association in co-operation with the American Institute of Architects have developed a basis for the coordination of dimensions of Building Material. Besser Manufacturing Company has adopted this new recommendation of dimensions, and applied them to all concrete Building Units.

The width, height and length of all units now ends in $\frac{5}{8}$ ". For example, a block $15\frac{5}{8}$ " long plus $\frac{3}{8}$ " mortar joint equals 16" modular length. The object of modular coordination is to take advantage of the economy of having all building material apply to 4" increments, including masonry materials.

The Modular dimensioned block, brick and tile shown in this book will be welcomed by the architect, builder and products manufacturer. They will create streamline modern effect and add beauty and utility to conventional architecture.

The Besser Automatic Vibrapac makes the finest of concrete building units, on a mass production basis.

This book is dedicated to all Besser Vibrapac owners and the building profession.

PRICE \$2⁰⁰

Prepared By

BESSER MANUFACTURING COMPANY

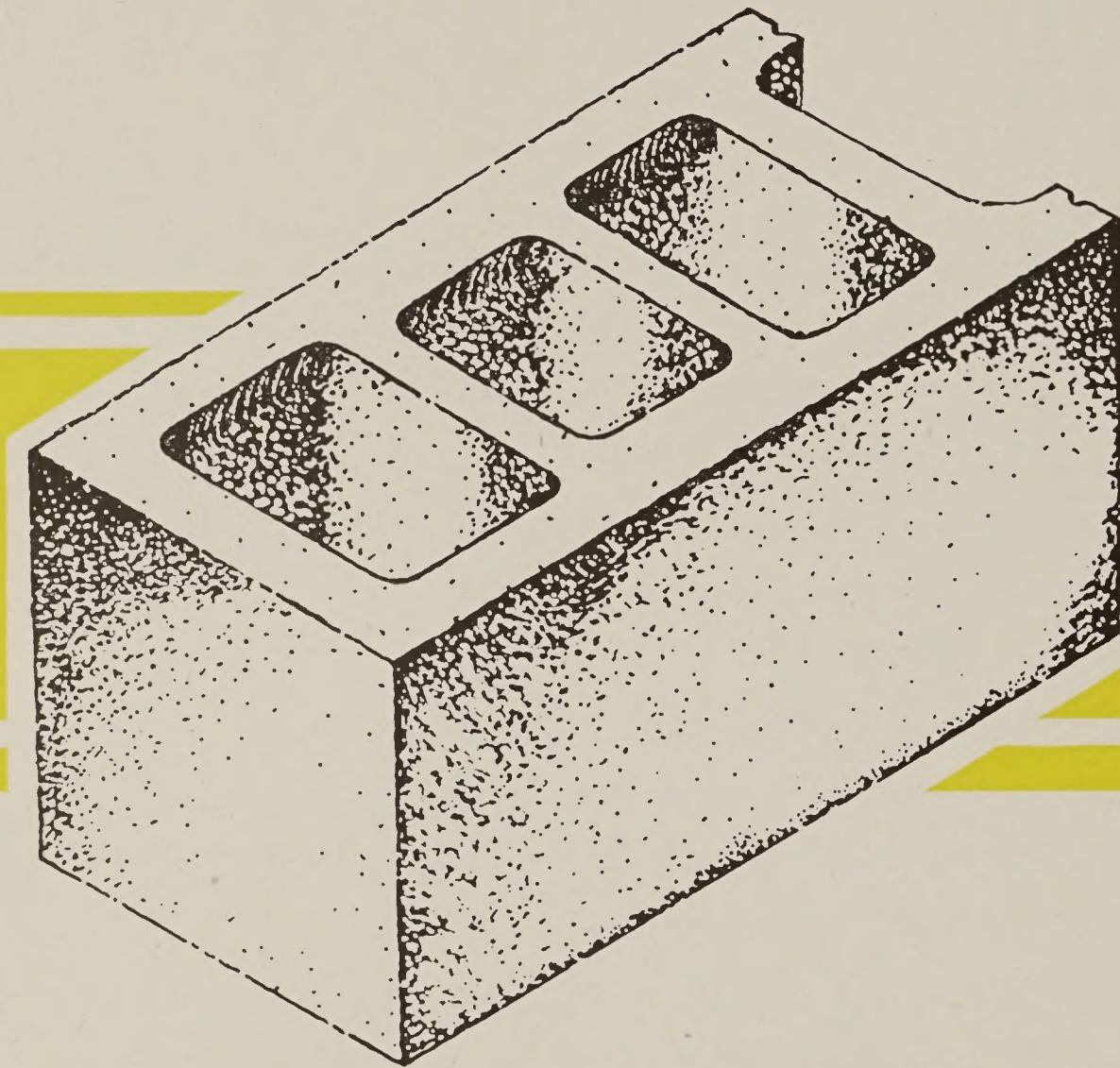
ALPENA, MICHIGAN, U. S. A.

MAKERS OF

AUTOMATIC EQUIPMENT FOR MASS PRODUCTION OF QUALITY CONCRETE BUILDING UNITS

BESSER MODULAR STANDARD

NINE POINTS ON THE SHAPE OF THE LATEST IMPROVED CONCRETE BLOCK



1. MODULAR DIMENSIONS

For example, a block $7\frac{5}{8}'' \times 7\frac{5}{8}'' \times 15\frac{5}{8}''$ —plus $\frac{3}{8}''$ mortar joint>equals $8'' \times 8'' \times 16''$.

2. A THICKER FACE SHELL AT CENTER

Assures greater tensile strength, resulting in stronger wall.

3. VERTICAL MORTAR GROOVES ON ENDS

Provides stronger bond—improves stability.

4. WIDER MORTAR BED ON TOP

This saves mortar and keys the block in place.

5. PERMANENT PLAIN END, ON ONE END

Every block a corner block at no extra cost.

6. HAND HOLDS

Less finger pressure required to pick up block.

7. RECTANGULAR CORES

For a given quantity of concrete, this design will have higher tensile strength and will carry a greater load in compression.

8. ACCURATE DIMENSIONS

Close tolerance always maintained on width, height and length.

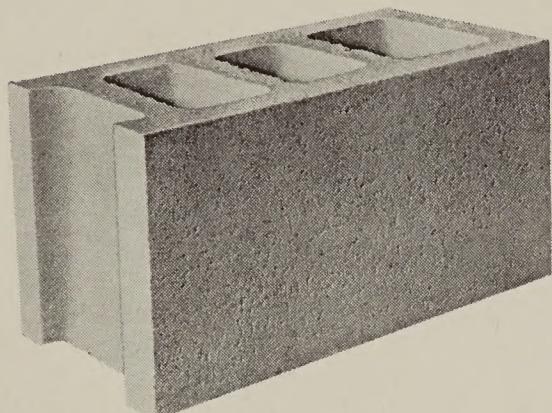
9. CLEAN CUT PERMANENT ARRISSES

Fully pressed top—troweled faces.

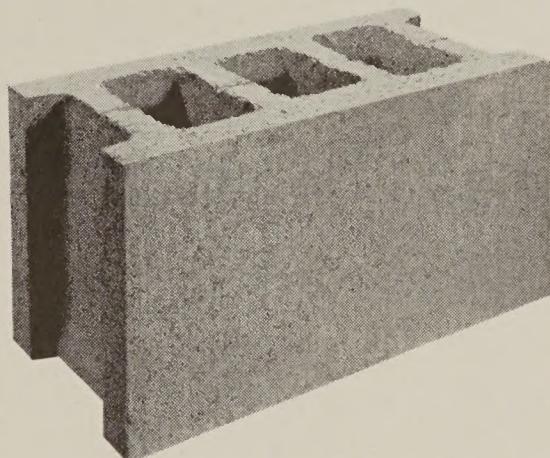
BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

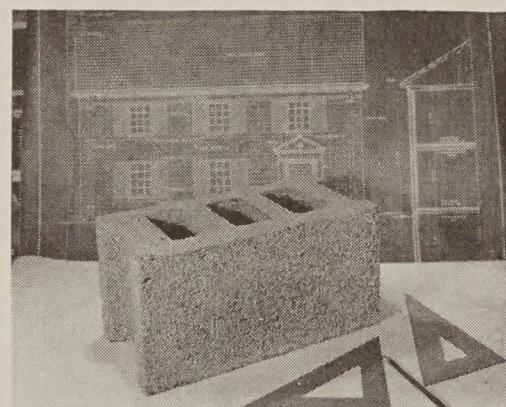
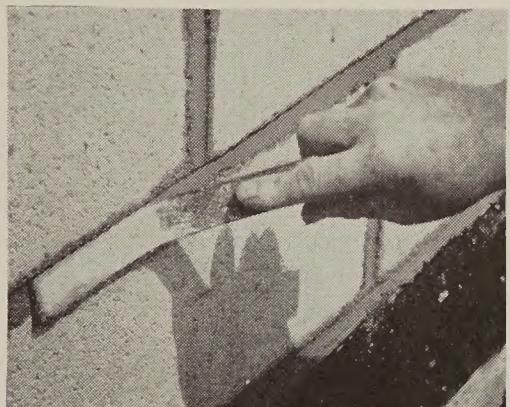
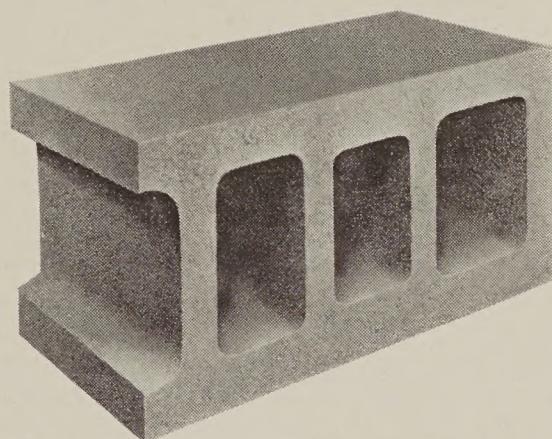
BEAUTY • ACCURACY • UTILITY • ECONOMY



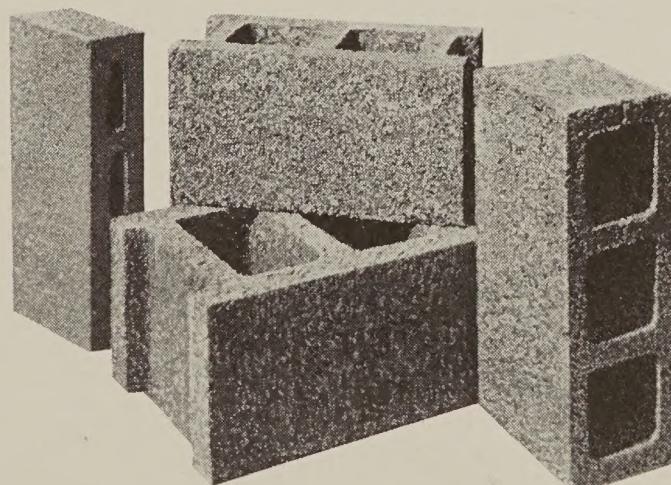
Outstanding beauty with varied textures and light to dark shades.



Clean-cut square corners, true dimensions.



Simplicity in Design—Plus structural advantages.

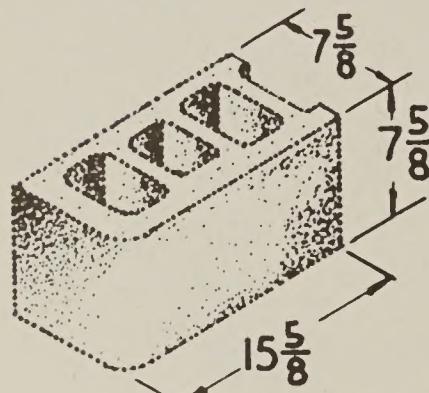


Low first cost—
Low upkeep.

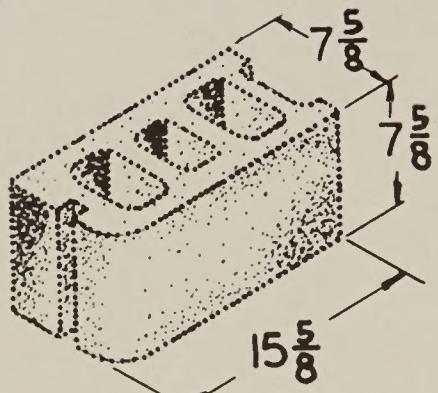
BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

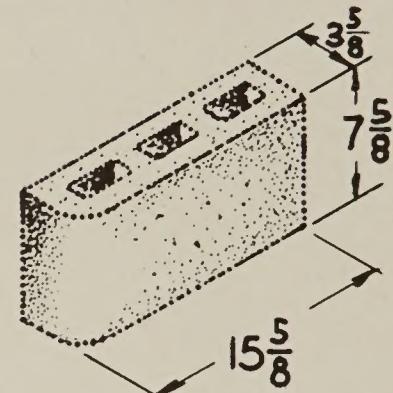
Bull Nose Block



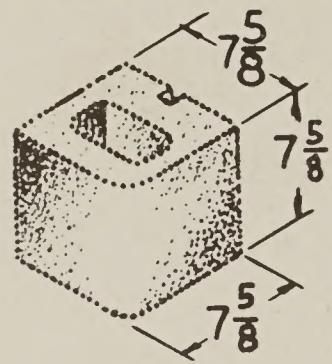
STYLE NO.1



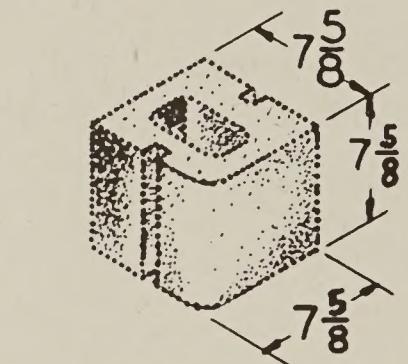
STYLE NO.3



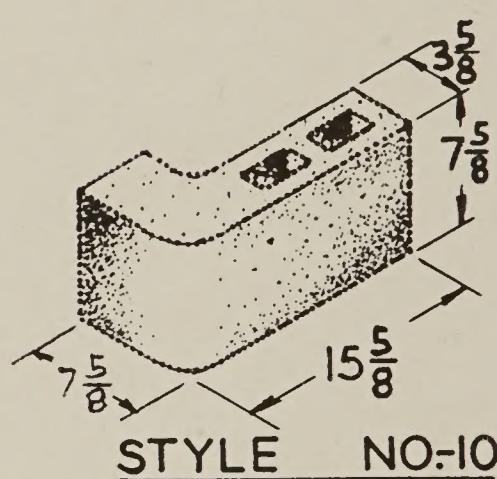
STYLE NO.9



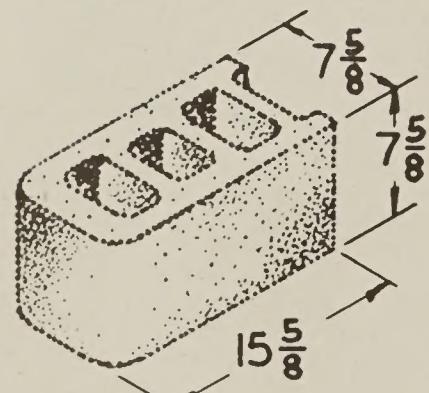
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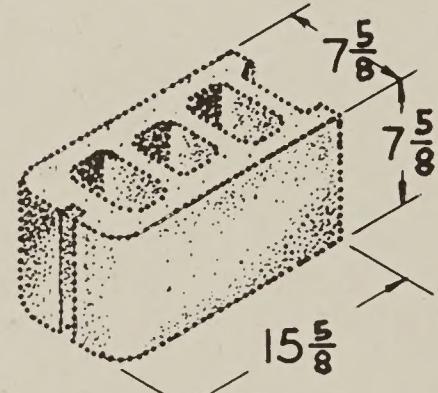
STYLE NO.4



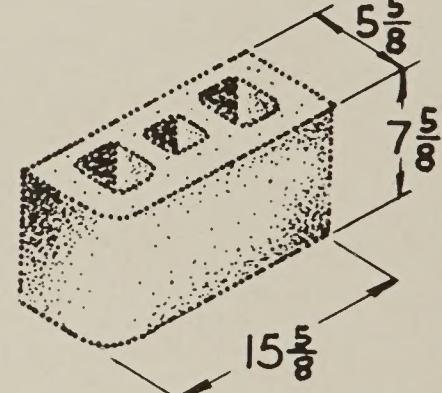
STYLE NO.10



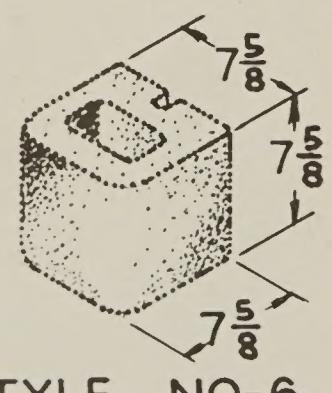
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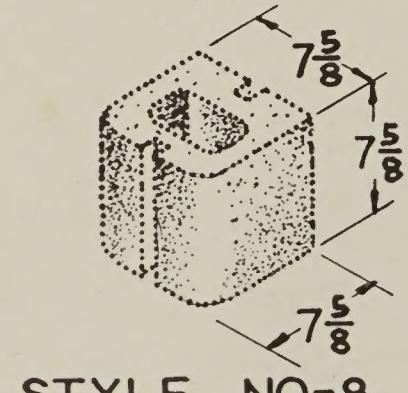
STYLE NO.7



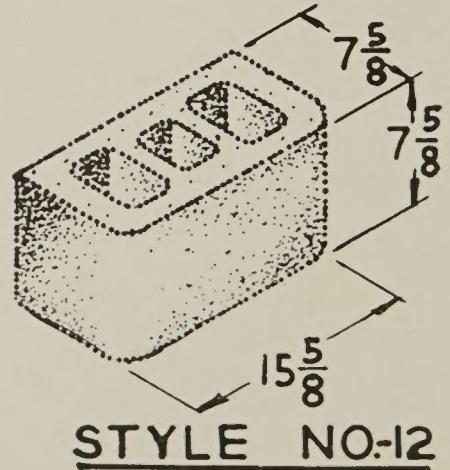
STYLE NO.11



STYLE NO.6



STYLE NO.8



STYLE NO.12

BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

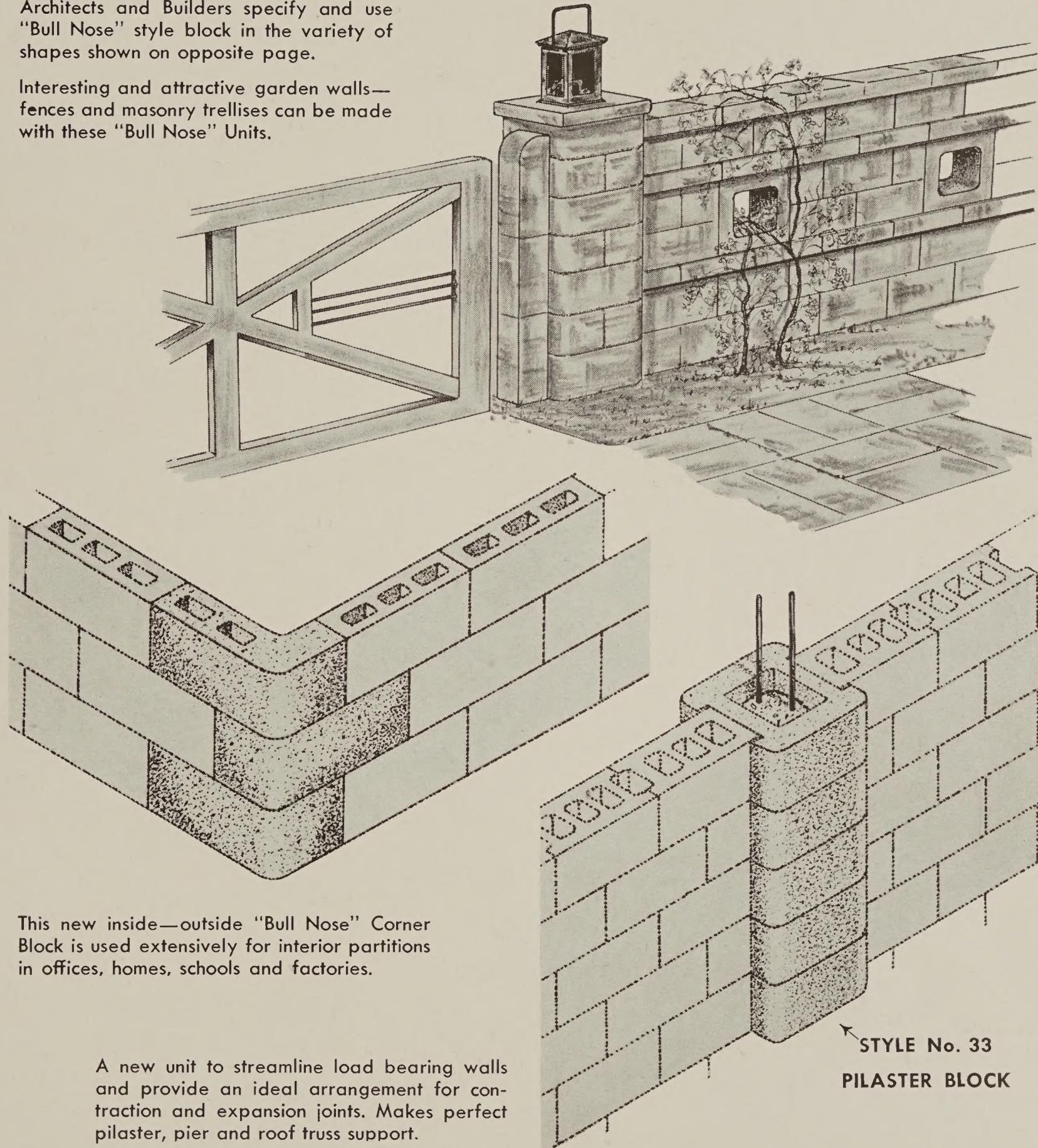
BESSER MODULAR STANDARD

Bull Nose Block

IN USE

Architects and Builders specify and use "Bull Nose" style block in the variety of shapes shown on opposite page.

Interesting and attractive garden walls—fences and masonry trellises can be made with these "Bull Nose" Units.



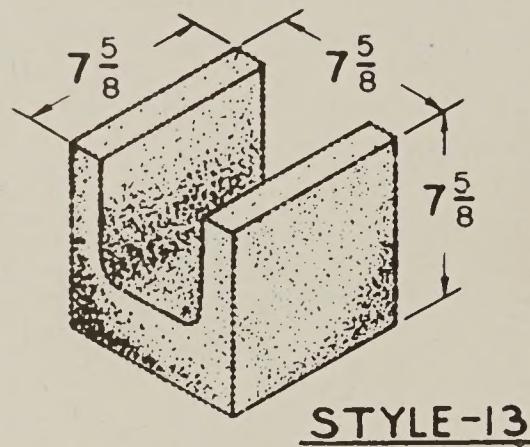
This new inside—outside "Bull Nose" Corner Block is used extensively for interior partitions in offices, homes, schools and factories.

A new unit to streamline load bearing walls and provide an ideal arrangement for contraction and expansion joints. Makes perfect pilaster, pier and roof truss support.

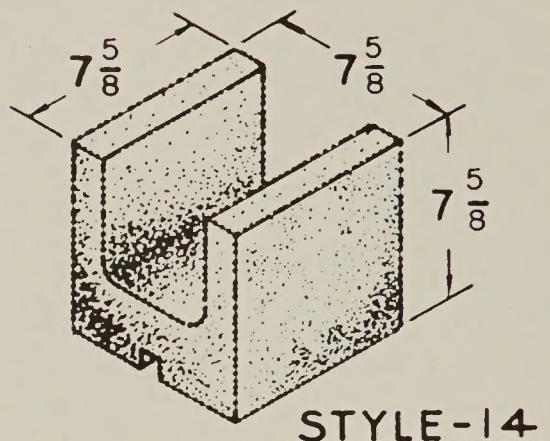
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BESSER MODULAR STANDARD

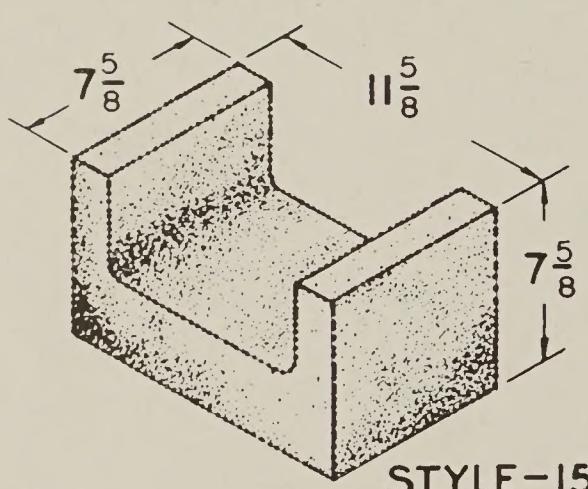
Beam Lintel Block



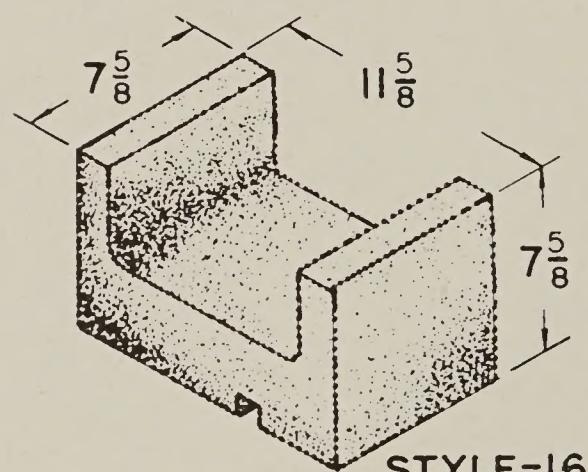
STYLE-13



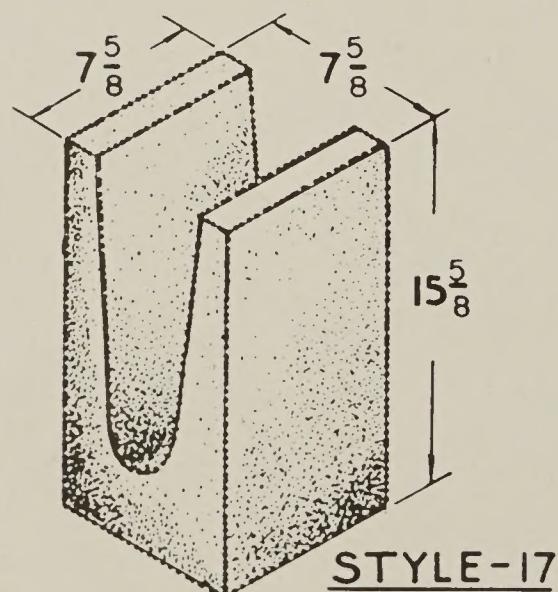
STYLE-14



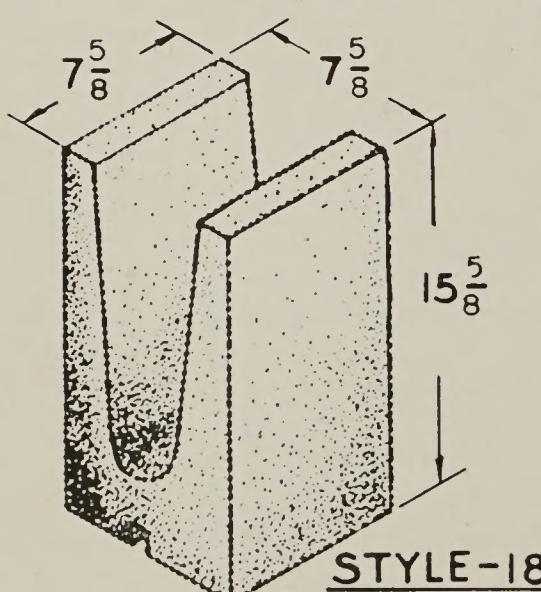
STYLE-15



STYLE-16



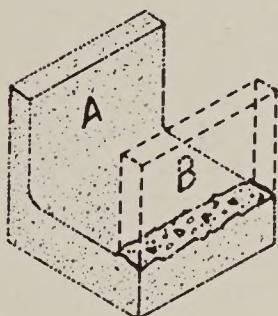
STYLE-17



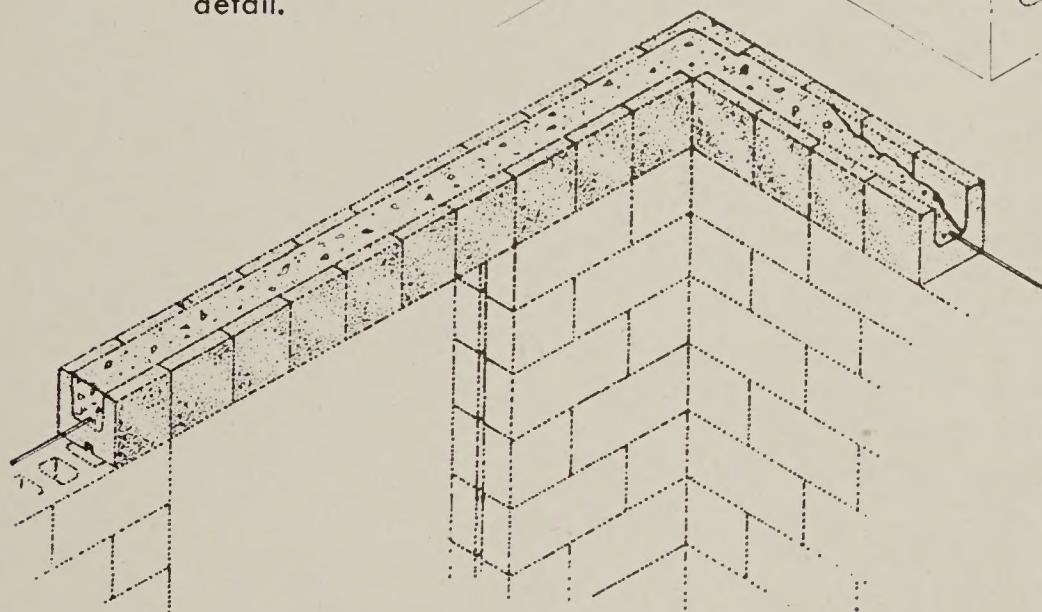
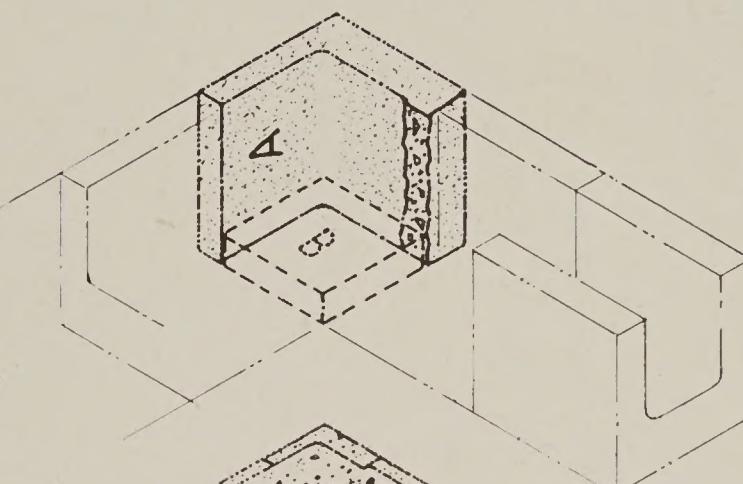
STYLE-18

BESSER MODULAR STANDARD

Beam Lintel Block IN USE



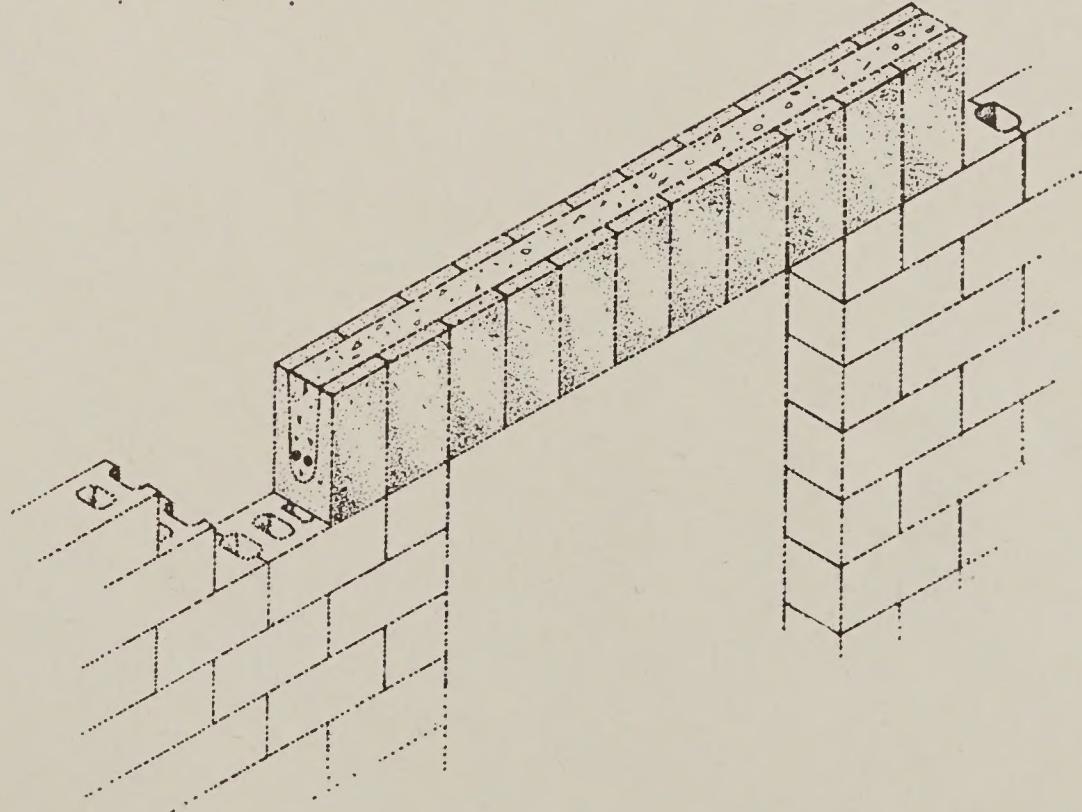
Corner construction detail.



One of the most useful new units developed in years. A wall properly designed incorporating this beam block will eliminate any tendency of wall cracking due to contraction or expansion.

Styles No. 13 and No. 14 are "cubes" made in one compartment of Vibrapac mold; these units form a Beam—a Lintel—a Corner.

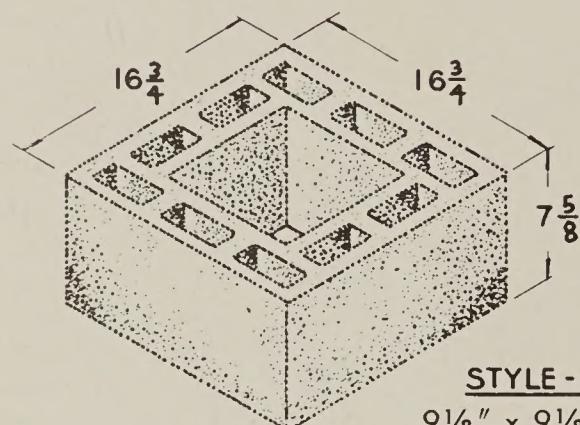
This unit makes a 16" deep lintel for garage door opening or picture window opening.



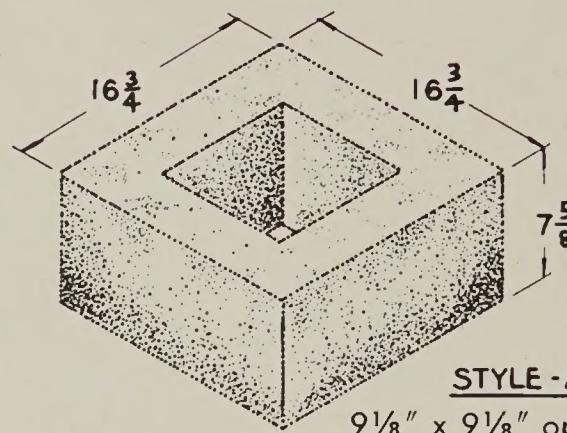
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BESSER MODULAR STANDARD

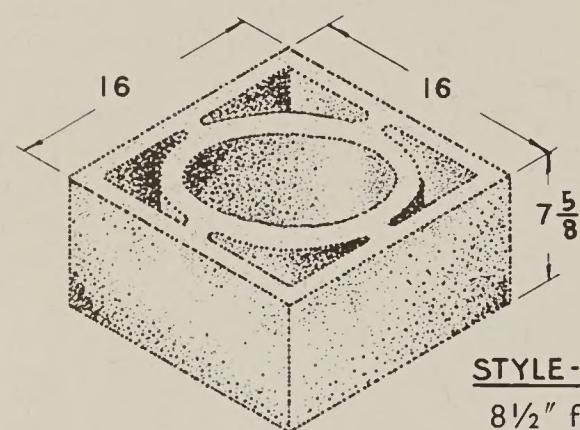
Chimney Block



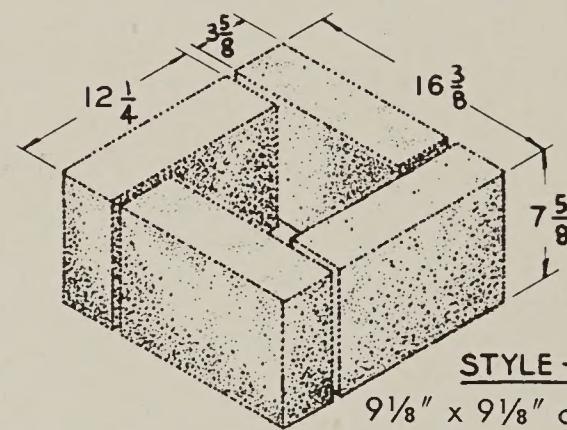
STYLE - 25
9 1/8" x 9 1/8" opening



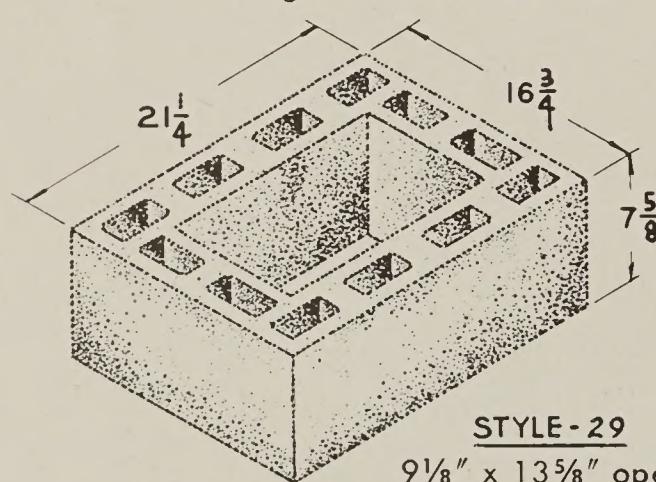
STYLE - 26
9 1/8" x 9 1/8" opening



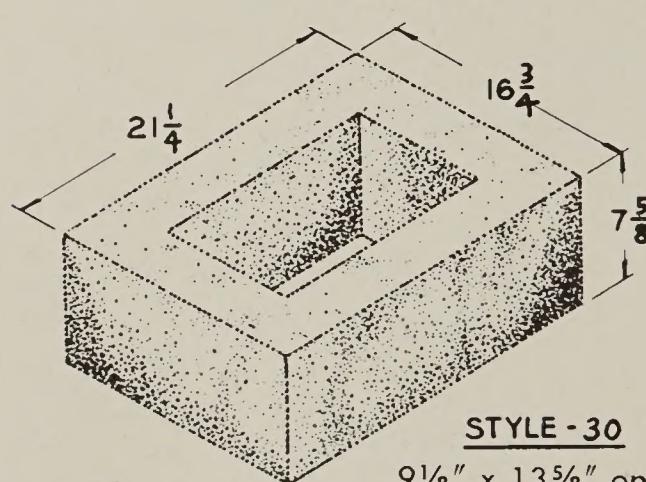
STYLE - 27
8 1/2" flue



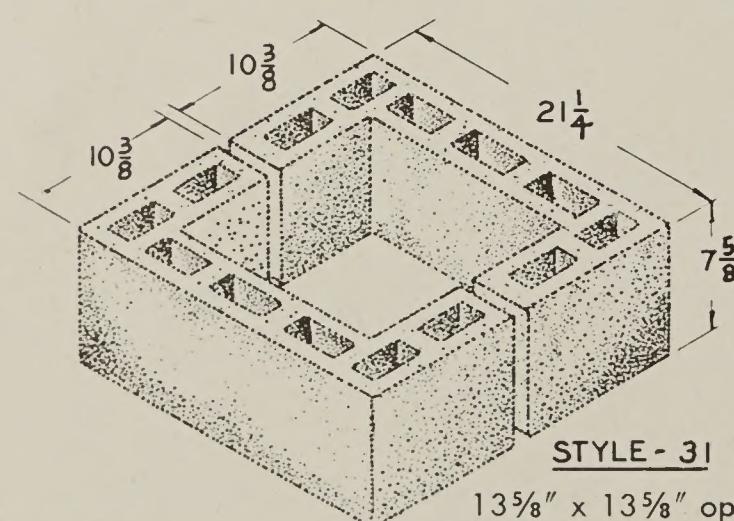
STYLE - 28
9 1/8" x 9 1/8" opening



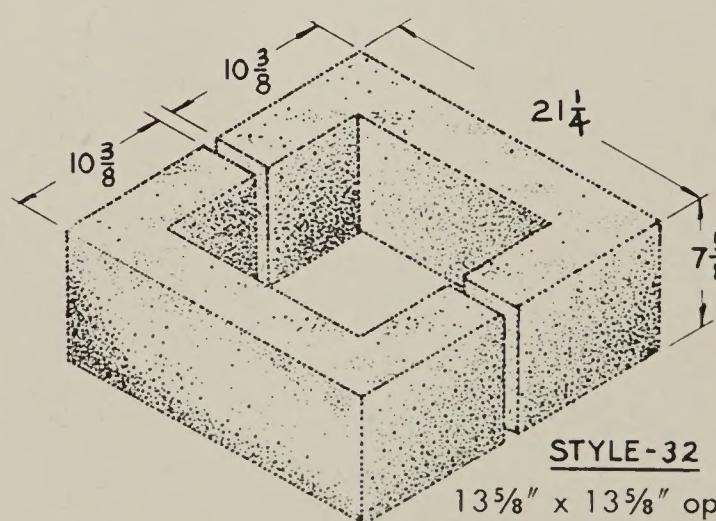
STYLE - 29
9 1/8" x 13 5/8" opening



STYLE - 30
9 1/8" x 13 5/8" opening



STYLE - 31
13 5/8" x 13 5/8" opening

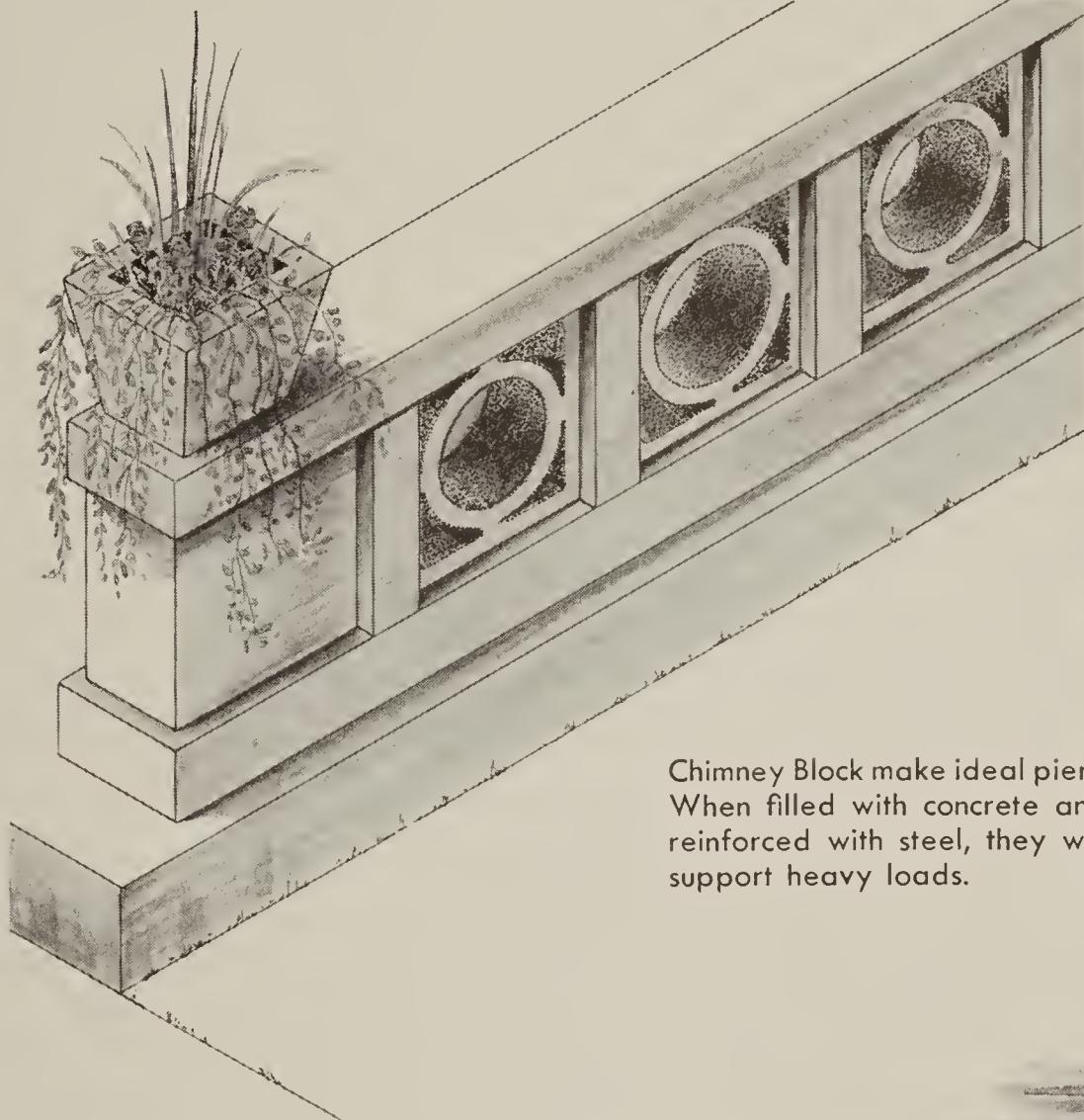


STYLE - 32
13 5/8" x 13 5/8" opening

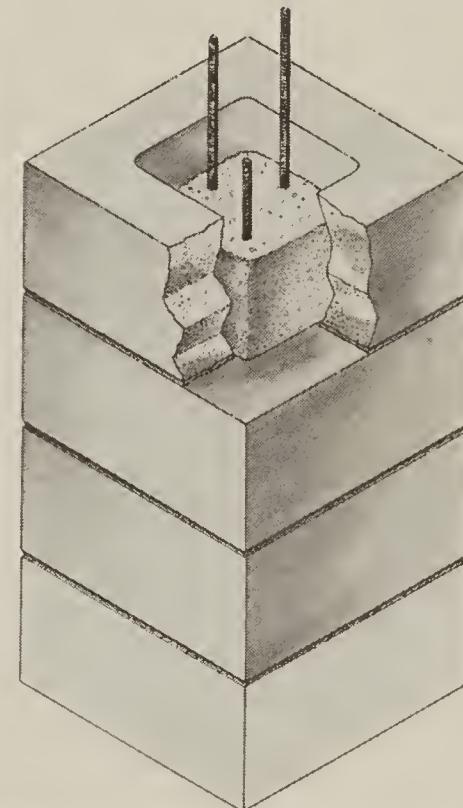
BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

Chimney Block IN USE



Chimney Block make ideal piers. When filled with concrete and reinforced with steel, they will support heavy loads.



Pylons made of Chimney Block produce modern effects.

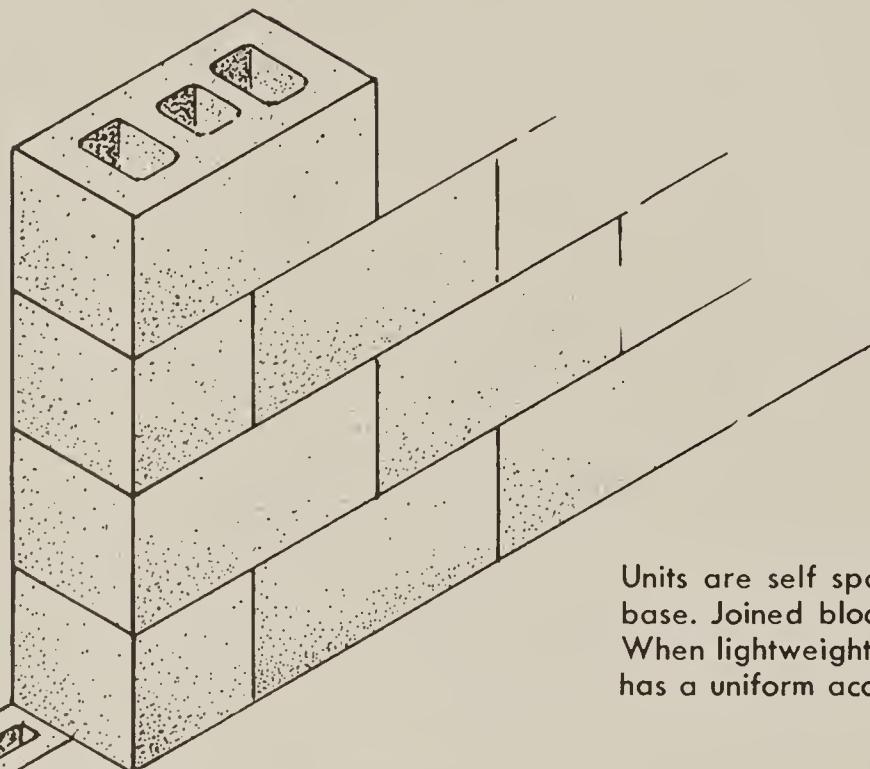


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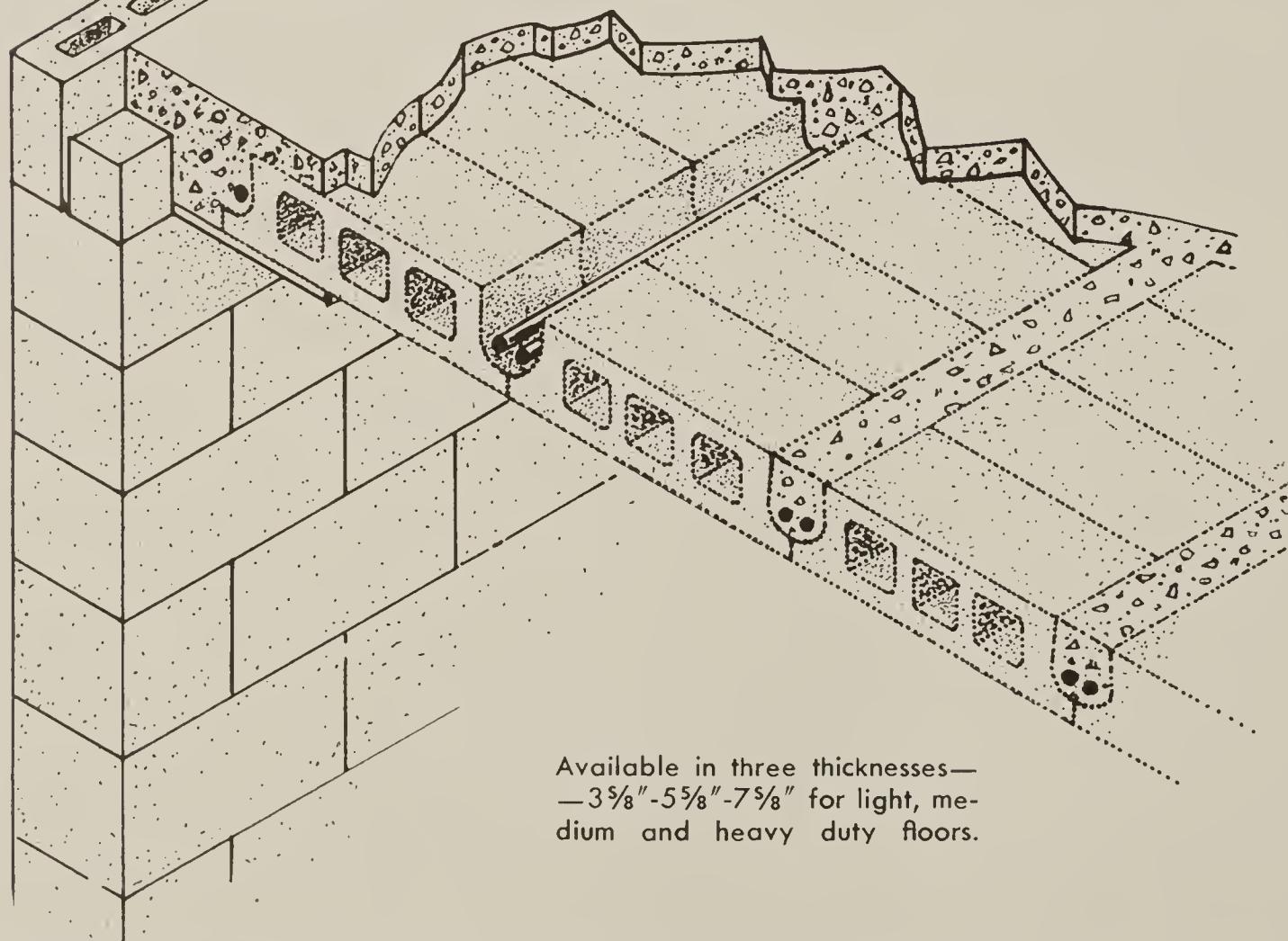
BESSER MODULAR STANDARD

Floor Tile IN USE

A fire safe floor that can be built at low cost with Soffit Floor Filler Tile. Units are made on Automatic Vibrapac at high production.



Units are self spacing when laid as a floor base. Joined block makes beautiful ceilings. When lightweight aggregate is used, ceiling has a uniform acoustical surface.

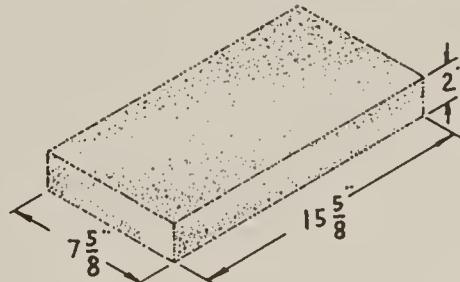


BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

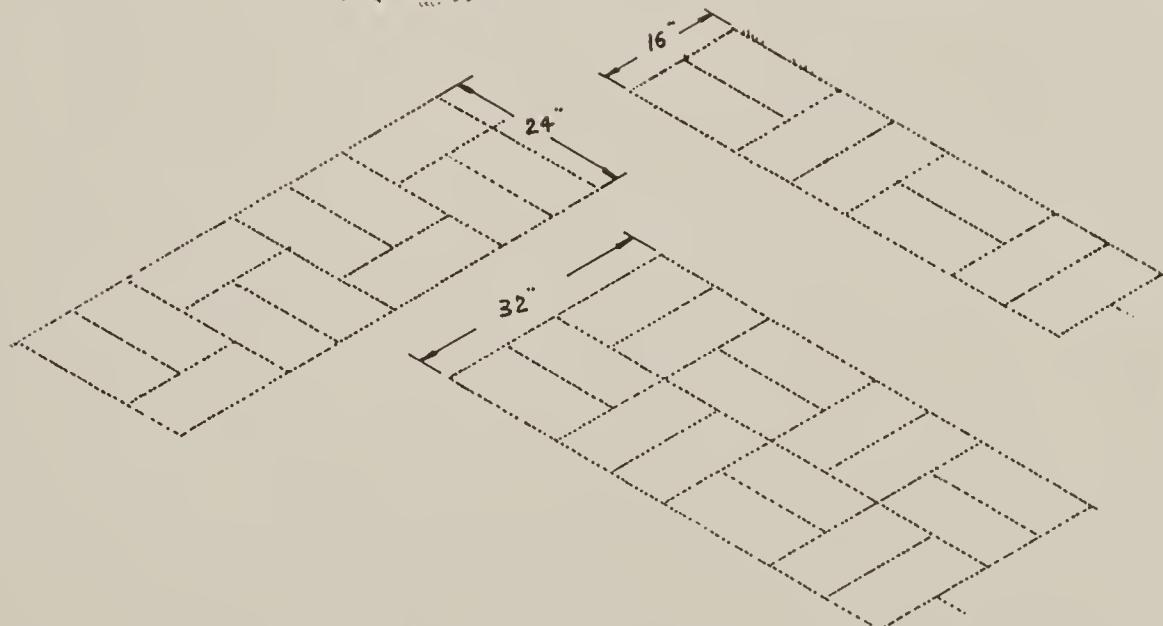
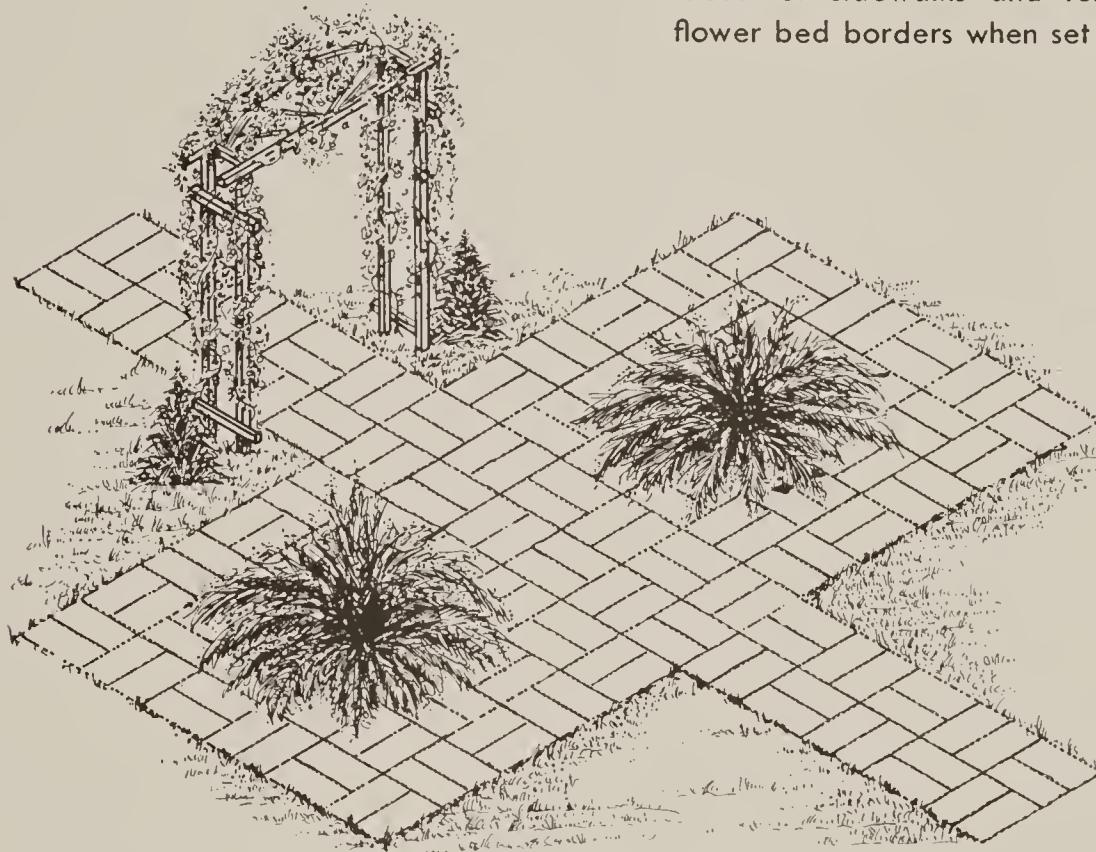
Solid Slab

IN USE



A UNIT WITH A HUNDRED USES

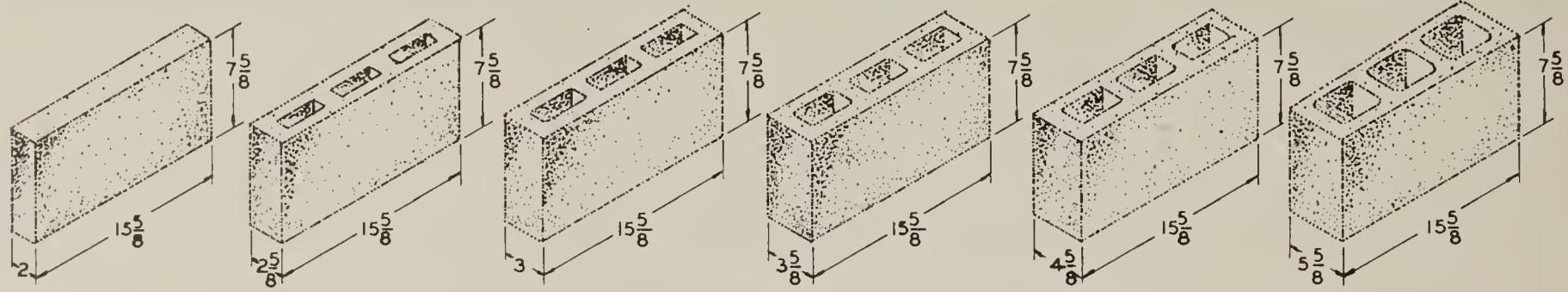
Ideal for sidewalks and terraces. Perfect for flower bed borders when set on edge.



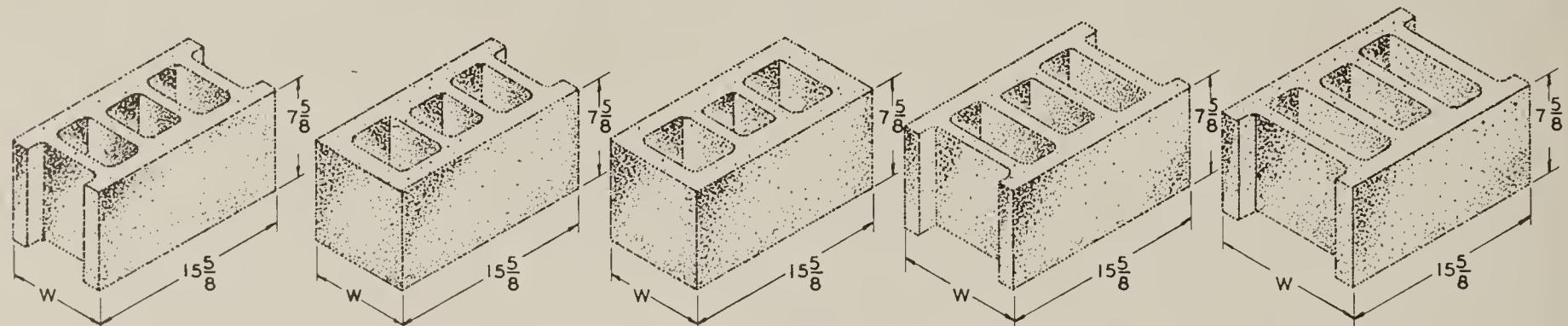
BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER Modular STAN

THE CONCRETE BUILDING UNITS ILLUSTRATED BELOW, AND

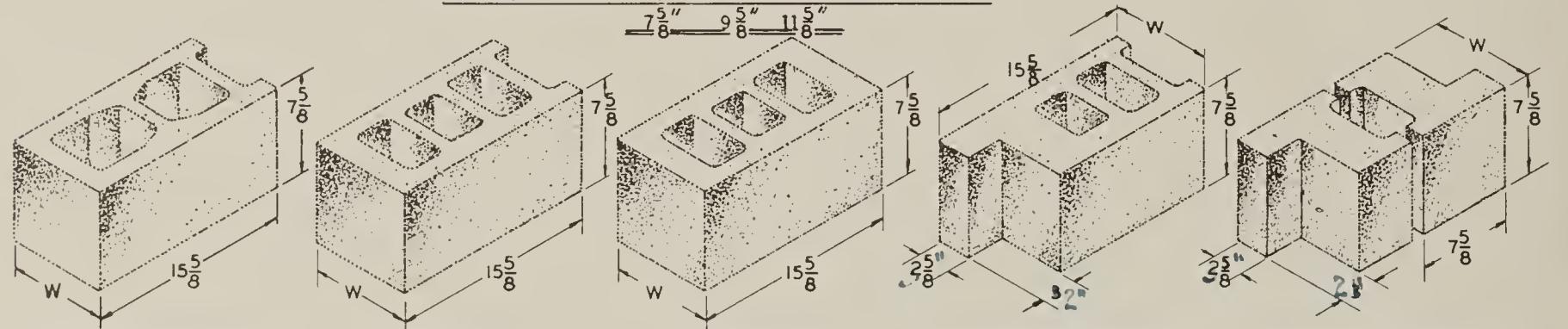


SLABS OR PARTITION UNITS



STANDARD WALL BLOCK

"W" INDICATES MODULAR WIDTH OF WALL



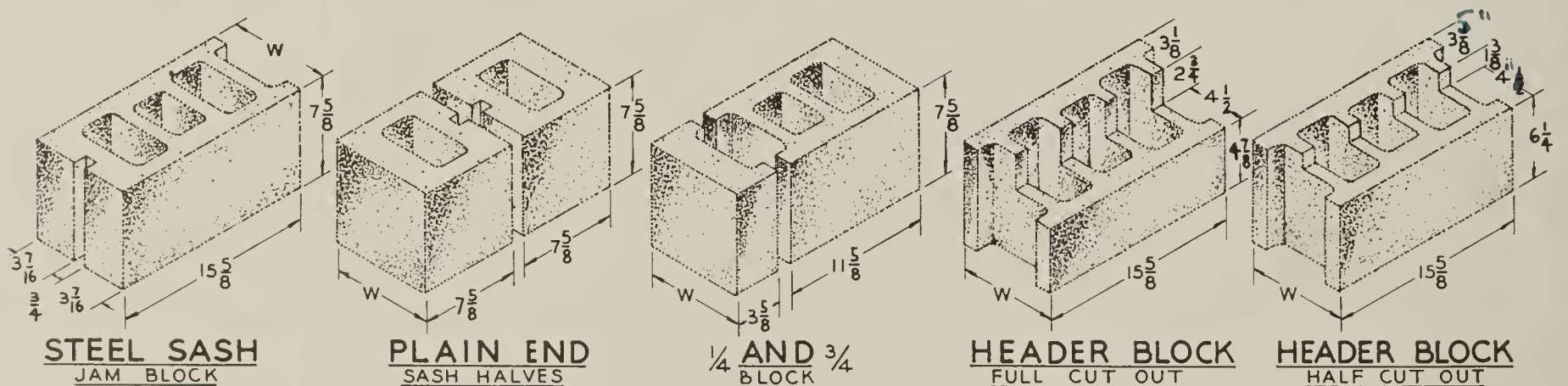
2 CORE BLOCK
MADE IN ALL SIZES

**SINGLE
CORNER BLOCK**

**DOUBLE
CORNER BLOCK**

**WOOD SASH
JAM BLOCK**

**WOOD SASH
JAM HALVES**



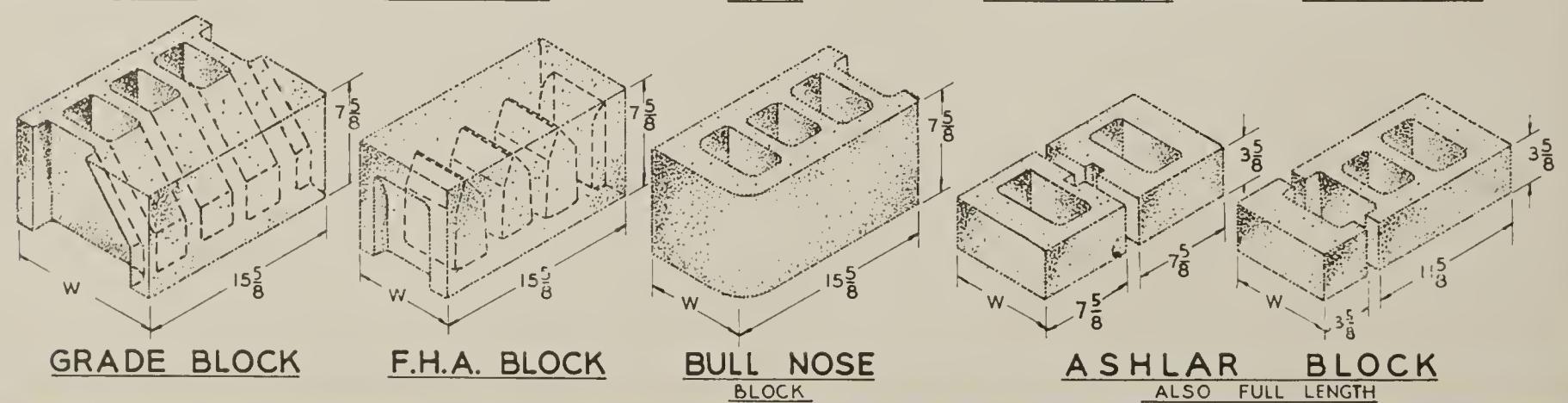
**STEEL SASH
JAM BLOCK**

**PLAIN END
SASH HALVES**

**1/4 AND 3/4
BLOCK**

**HEADER BLOCK
FULL CUT OUT**

**HEADER BLOCK
HALF CUT OUT**



GRADE BLOCK

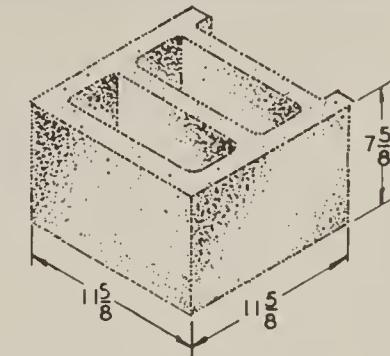
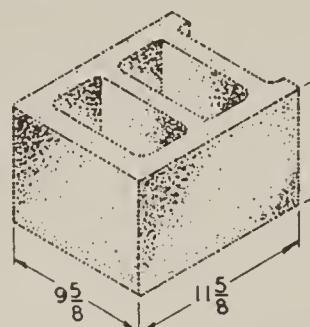
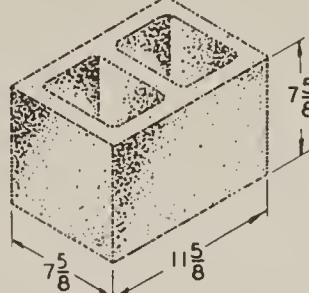
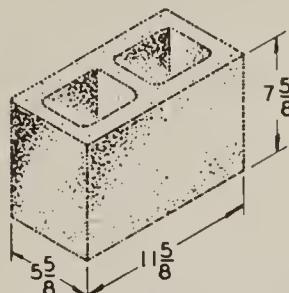
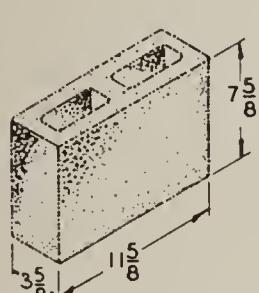
F.H.A. BLOCK

**BULL NOSE
BLOCK**

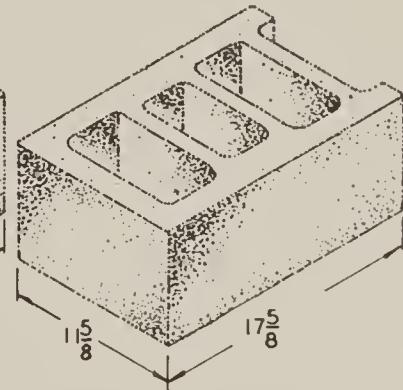
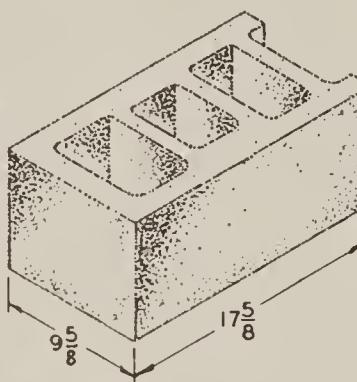
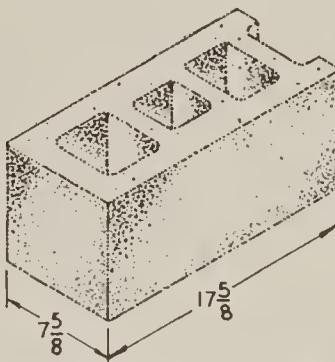
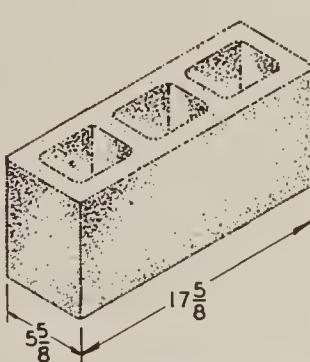
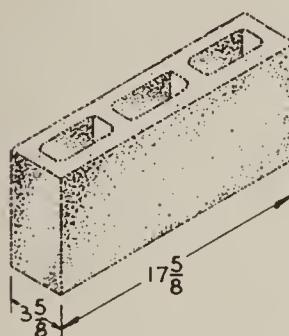
ASHLAR BLOCK
ALSO FULL LENGTH

STANDARD BUILDING UNITS

THESE UNITS ARE ALL MADE ON ONE SET OF PLAIN PALLETS

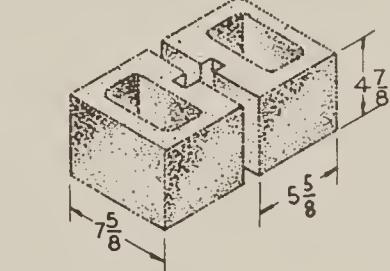
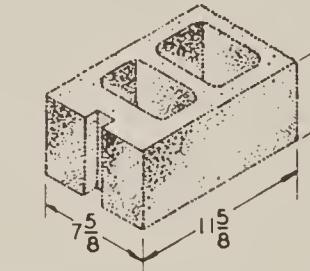
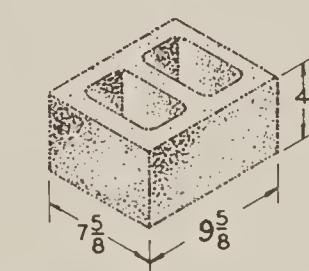
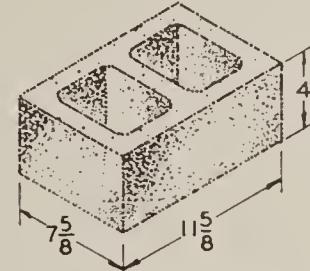
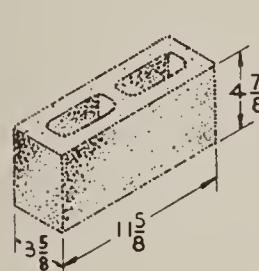


12" LENGTH BLOCK



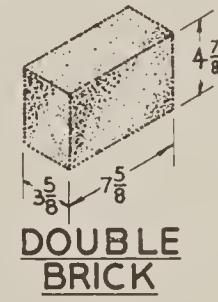
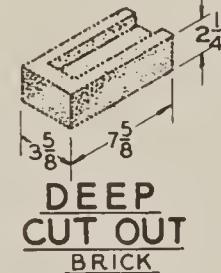
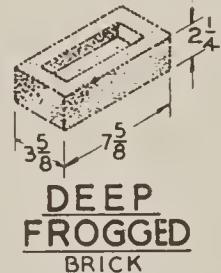
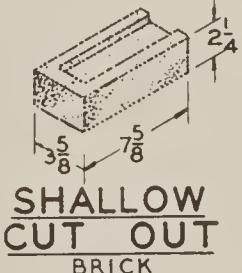
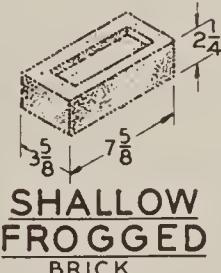
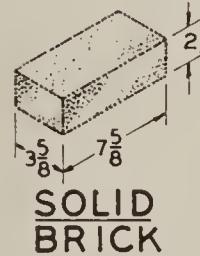
MADE IN 3 5/8 & 7 5/8 HEIGHTS

ALSO OPEN END BOTH ENDS



12" LENGTH TILE

ALSO MADE IN 3 5/8 HEIGHTS



SOLID BRICK

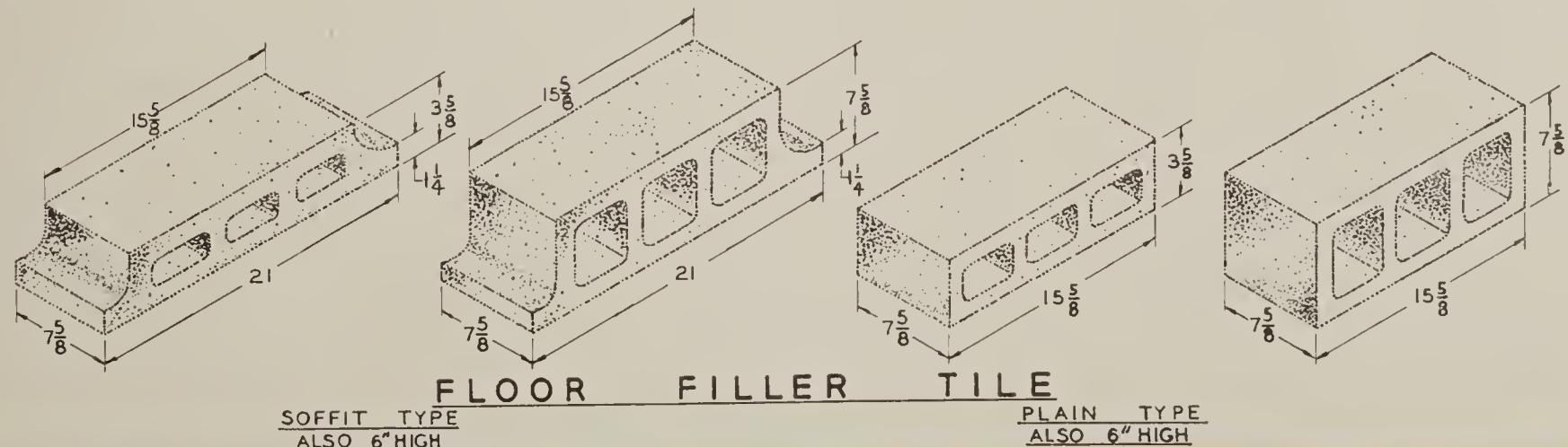
SHALLOW FROGGED BRICK

SHALLOW CUT OUT BRICK

DEEP FROGGED BRICK

DEEP CUT OUT BRICK

DOUBLE BRICK

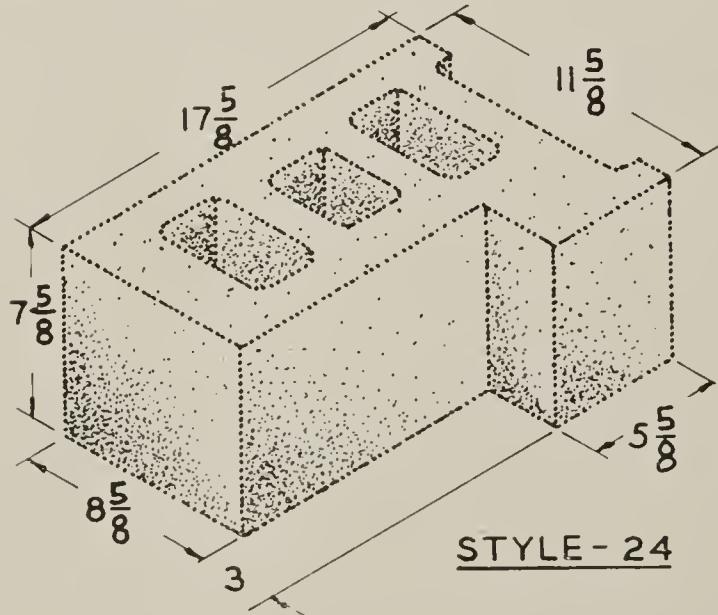
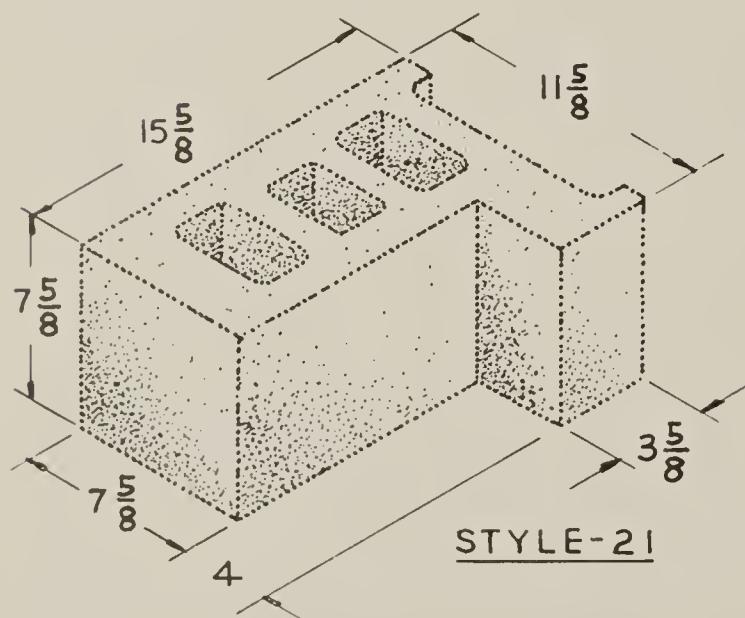
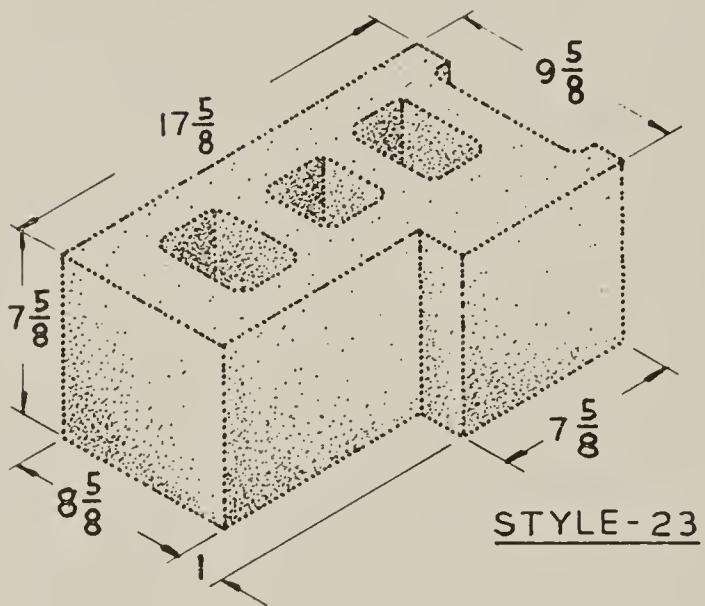
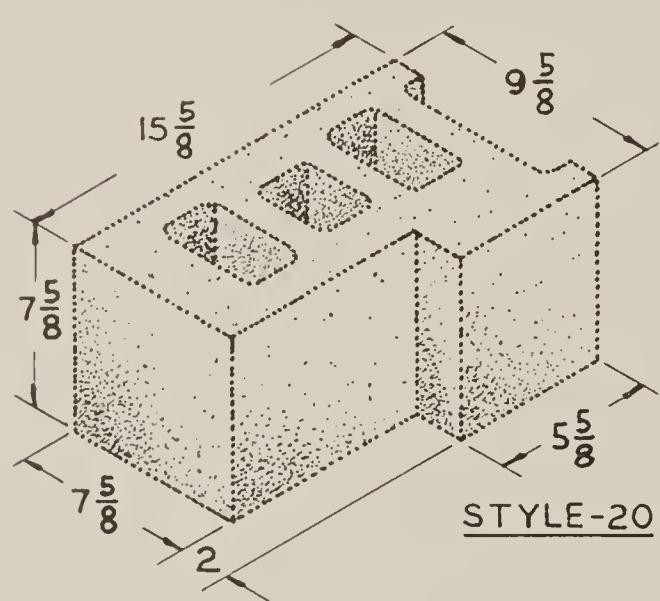
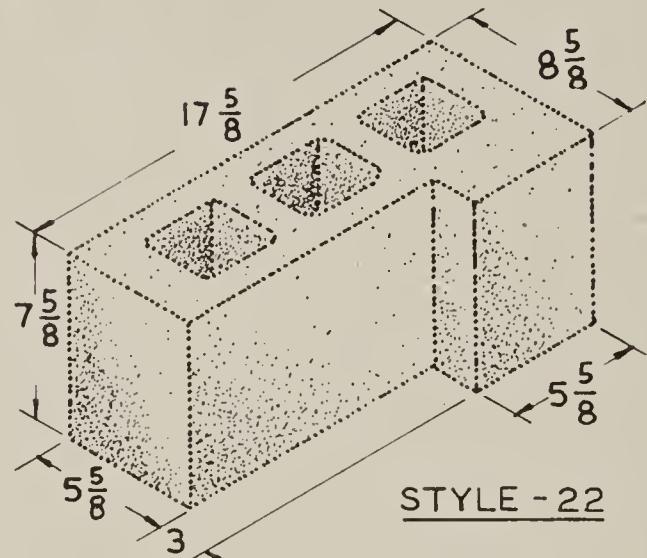
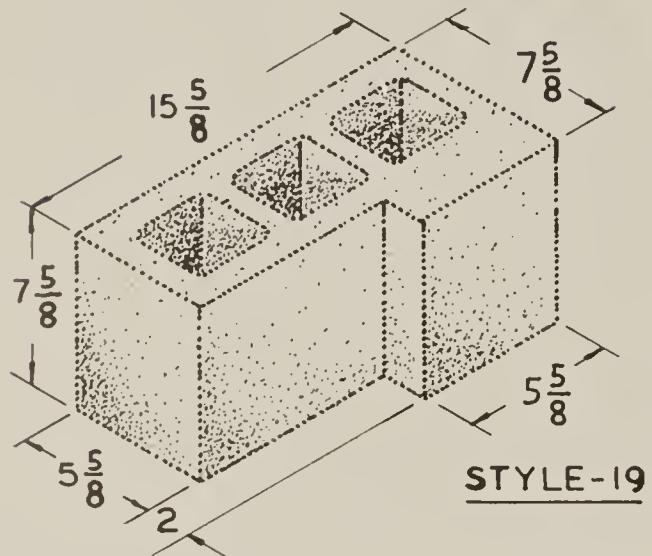


SOFFIT TYPE
ALSO 6" HIGH

PLAIN TYPE
ALSO 6" HIGH

BESSER MODULAR STANDARD

L-Corner Block

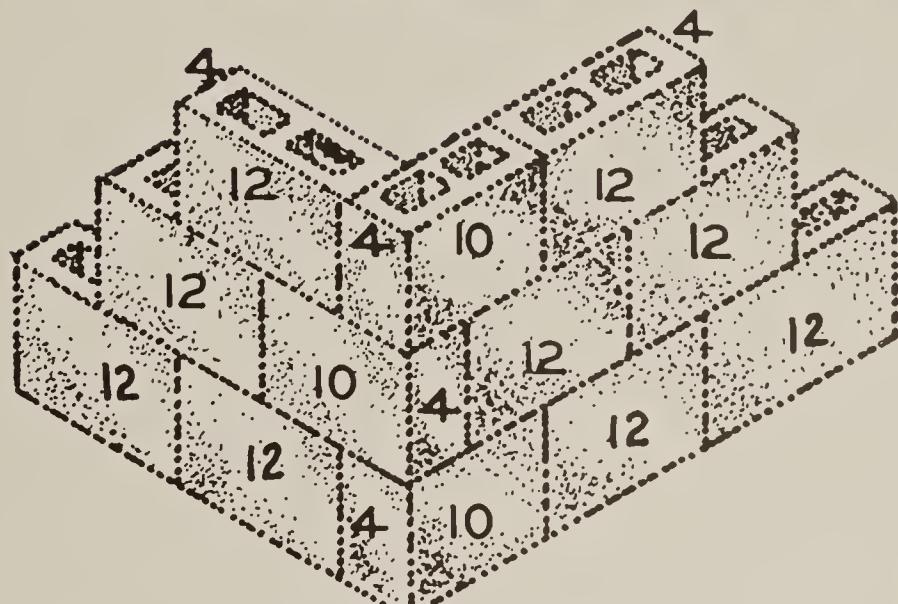


BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

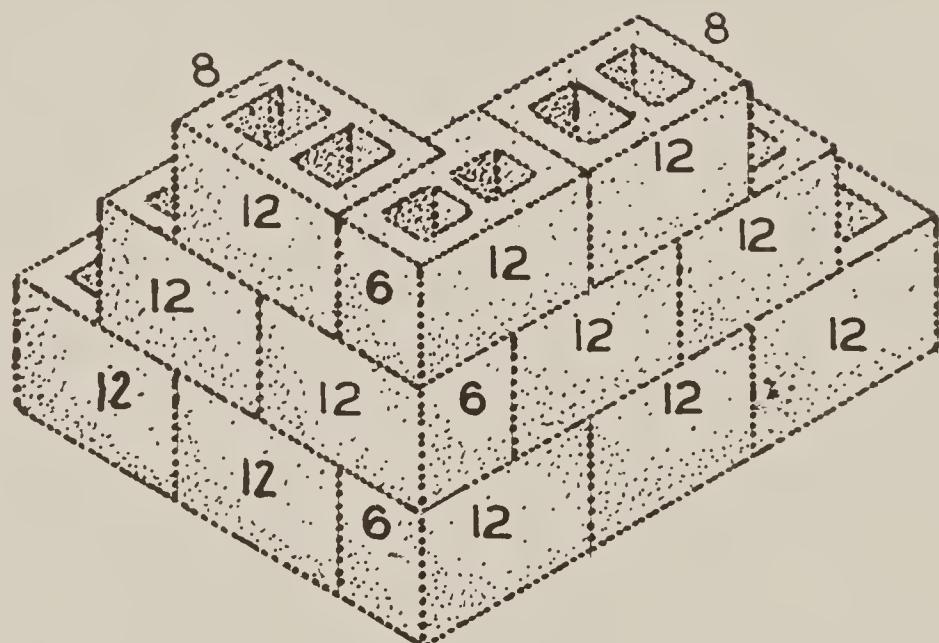
BESSER MODULAR STANDARD

Corner Construction

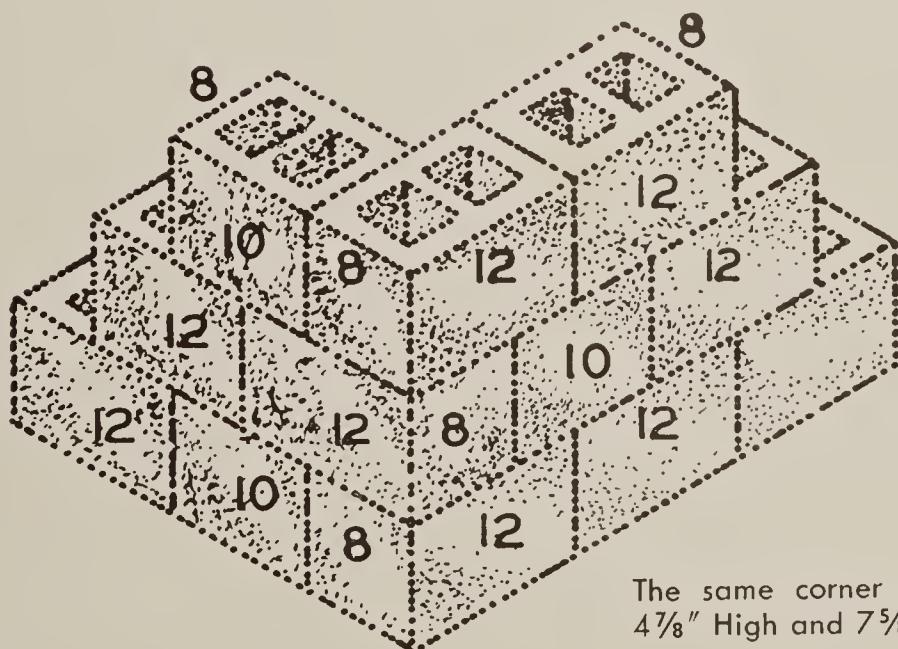
USING 12" LENGTH UNITS



3 5/8" WALL
Using 9 5/8" Long Unit



7 5/8" WALL
Using 7 5/8" L-Corner Block

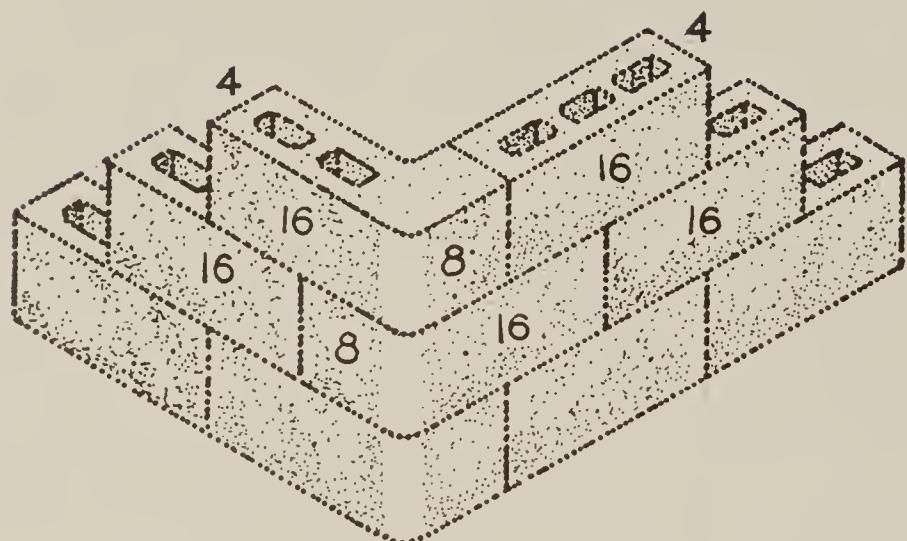


7 5/8" WALL
Using 9 5/8" Long next to
Corner Unit

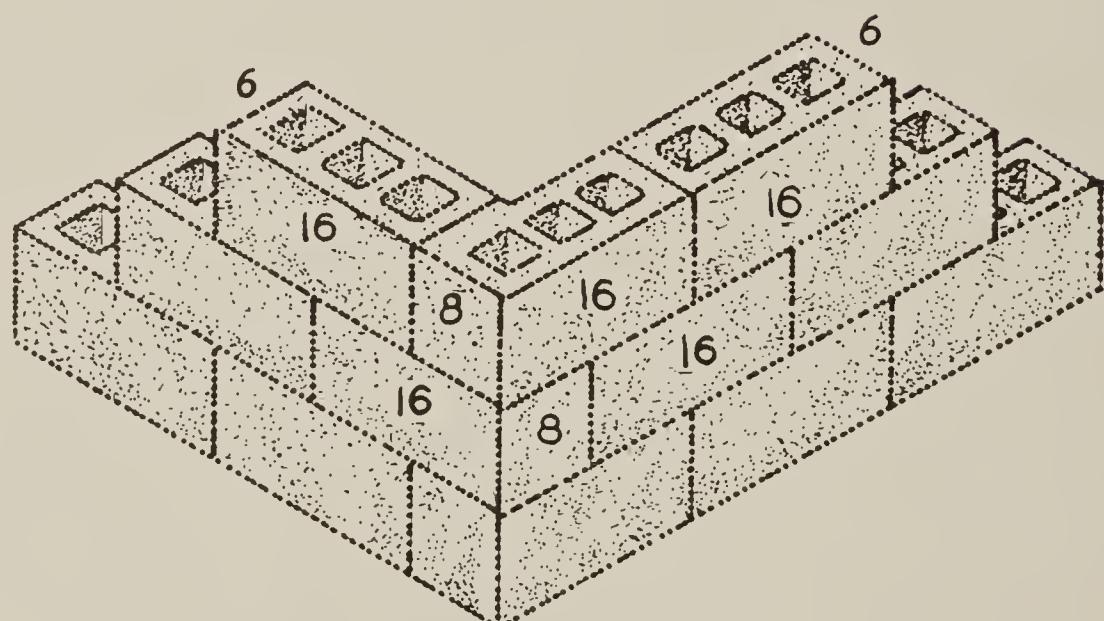
The same corner construction for 3 5/8" High,
4 7/8" High and 7 5/8" High.

BESSER MODULAR STANDARD

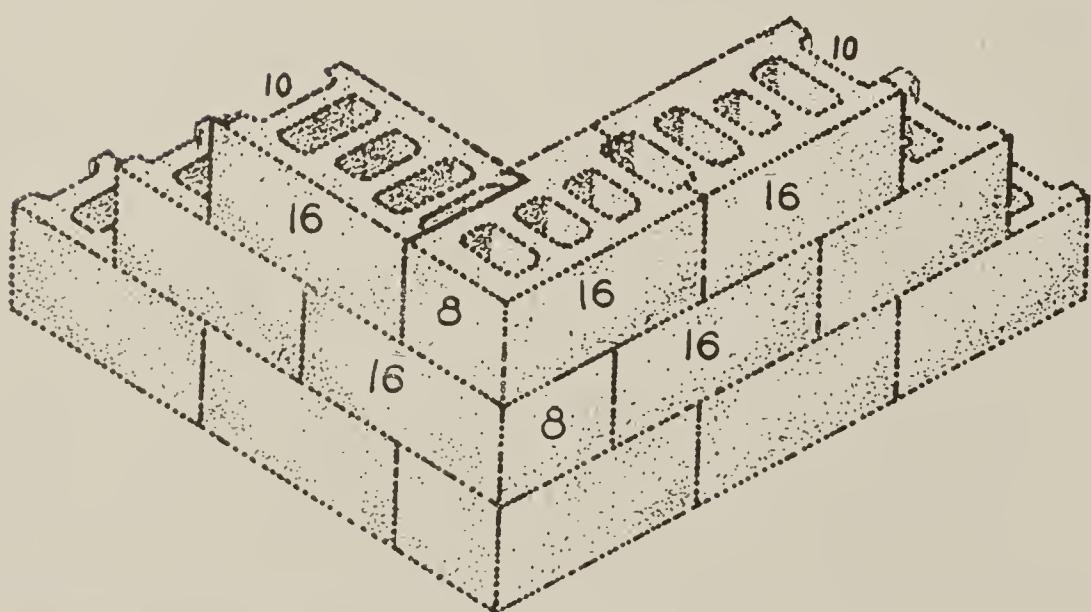
16" L-Corner Block IN USE



3 5/8" WALL
Using 3 5/8" L-Corner
"Bull Nose"



5 5/8" WALL
Using 5 5/8" L-Corner Block

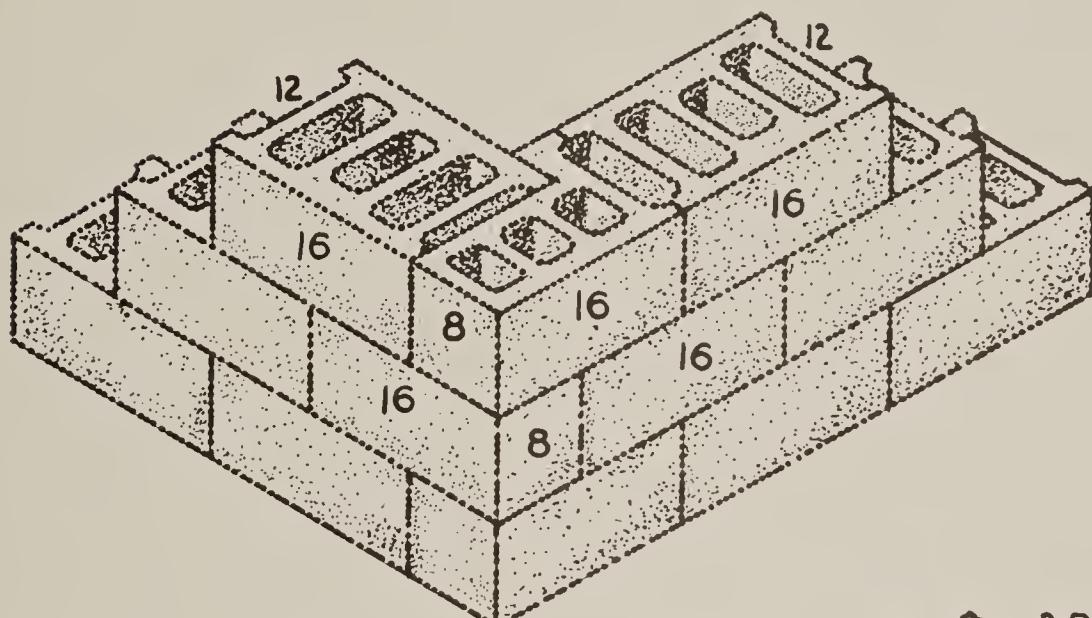


9 5/8" WALL
Using 9 5/8" L-Corner Block

BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

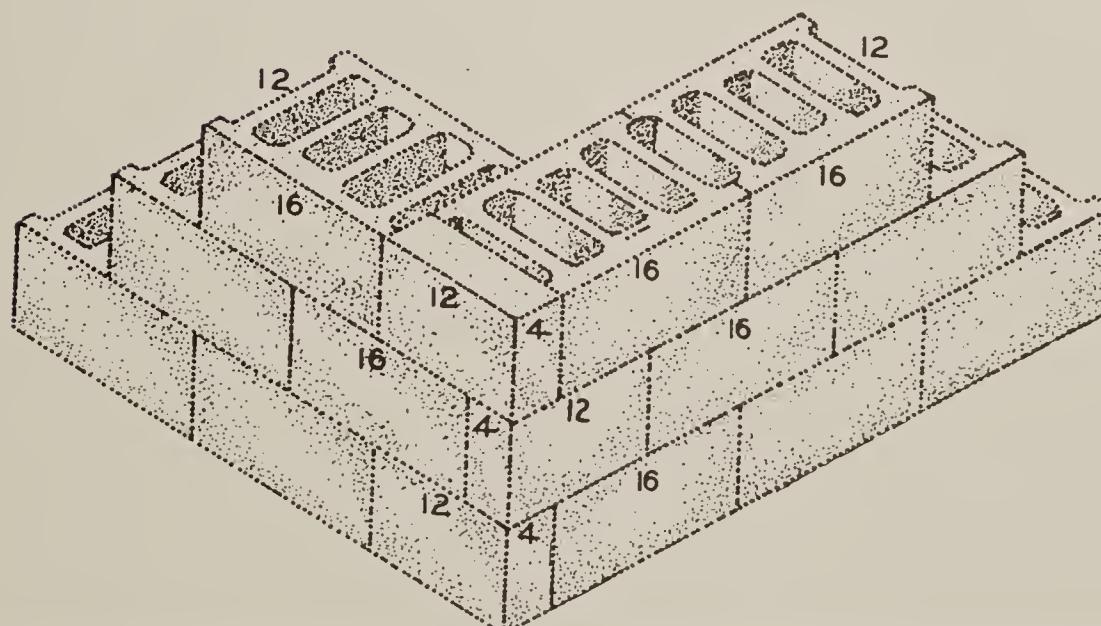
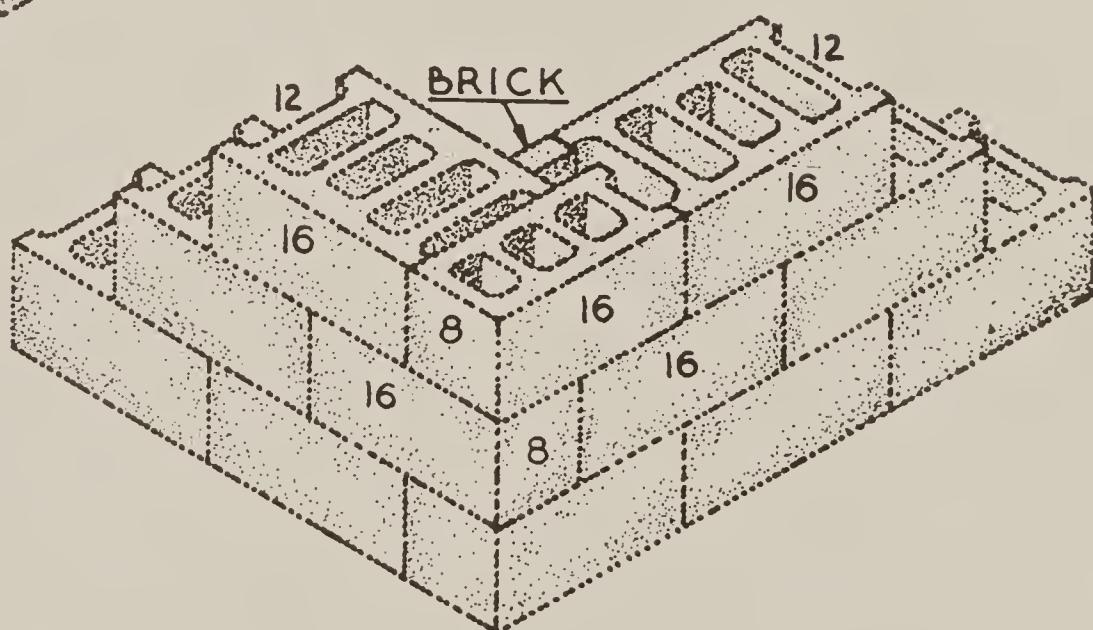
BESSER MODULAR STANDARD

16" L-Corner Block IN USE



11 $\frac{5}{8}$ " WALL
Using 11 $\frac{5}{8}$ " L-Corner Block

11 $\frac{5}{8}$ " WALL
Using Standard Concrete Brick

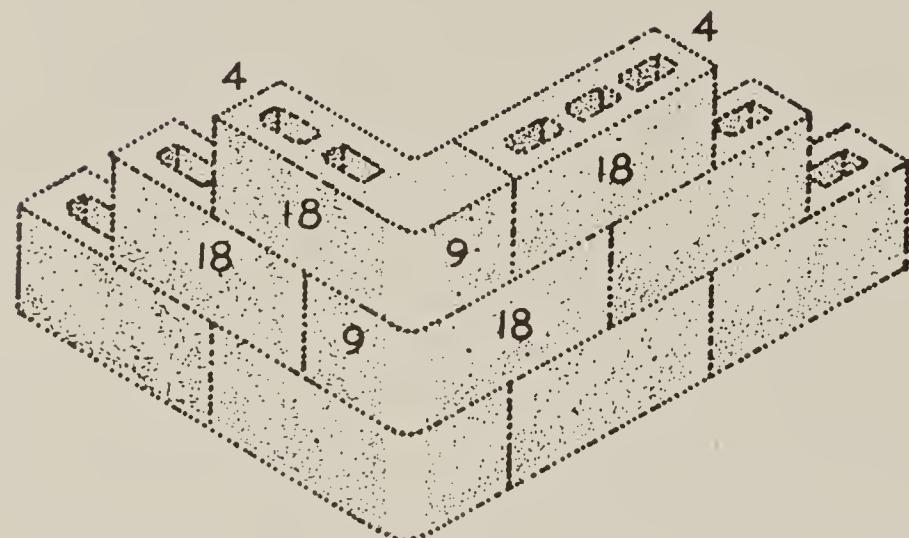


11 $\frac{5}{8}$ " WALL
Using 3 $\frac{5}{8}$ " x 7 $\frac{5}{8}$ " x 11 $\frac{5}{8}$ "
Solid Slab

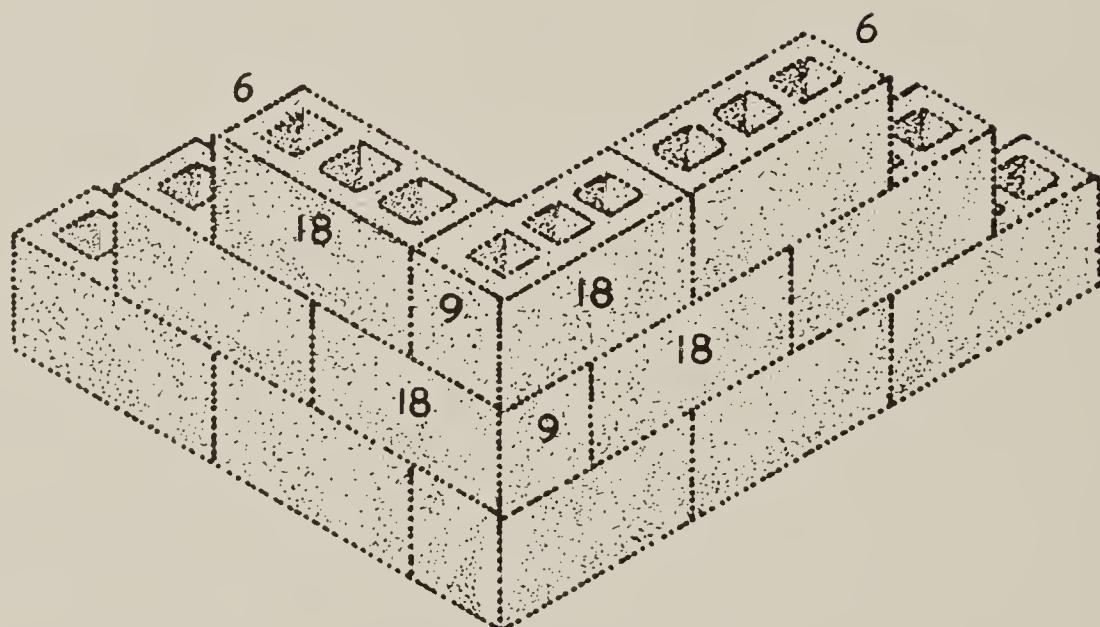
BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

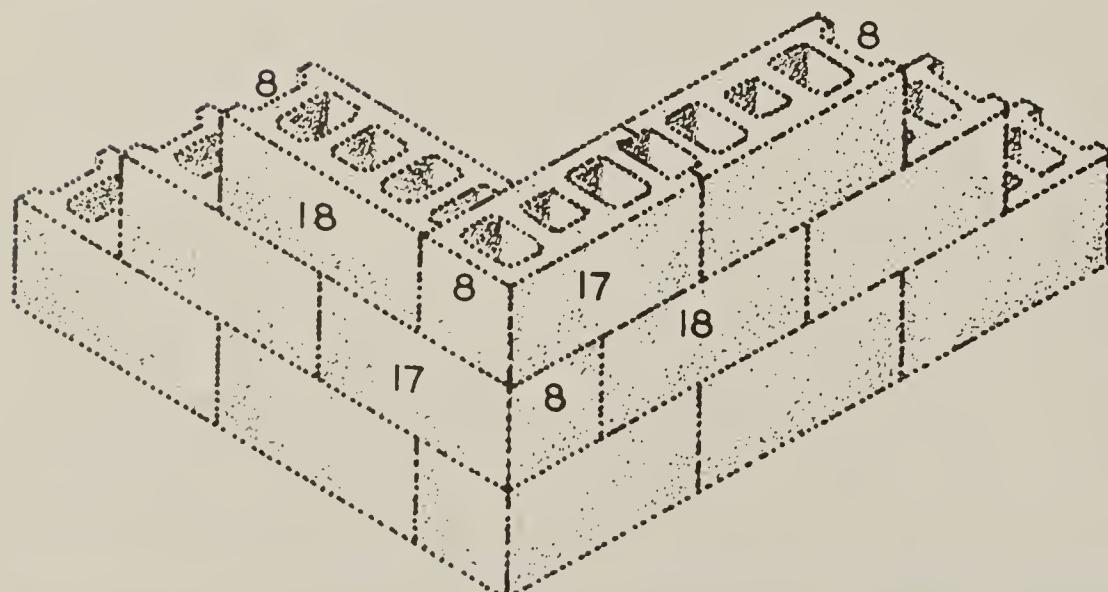
18" L-Corner Block IN USE



3 5/8" WALL
Using 3 5/8" L-Corner
"Bull Nose"



5 5/8" WALL
Using 5 5/8" L-Corner Block

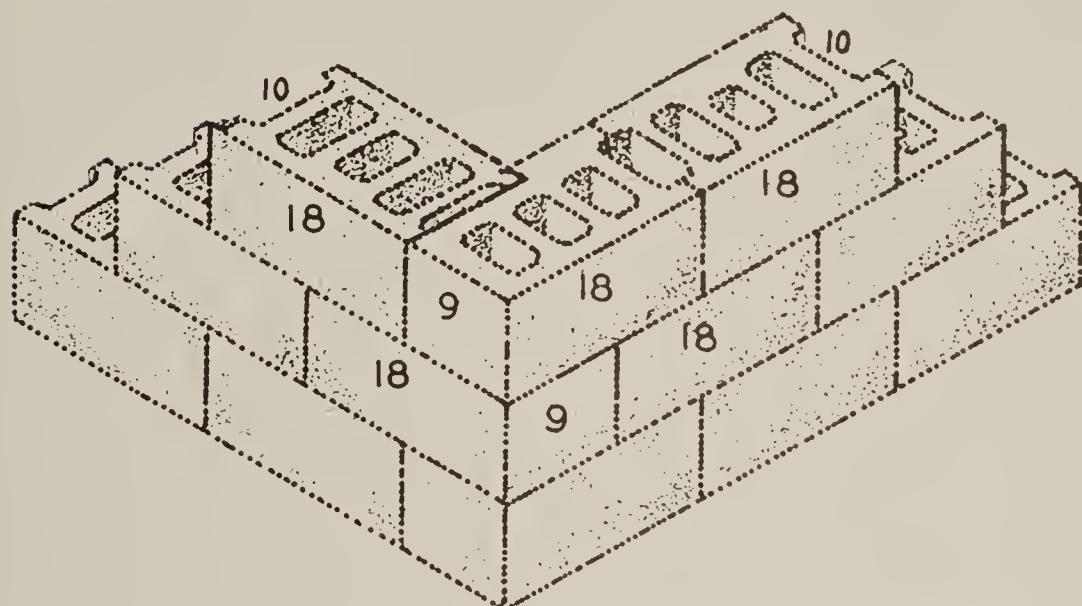


7 5/8" WALL
Using 7 5/8" x 16 5/8"
Corner Block

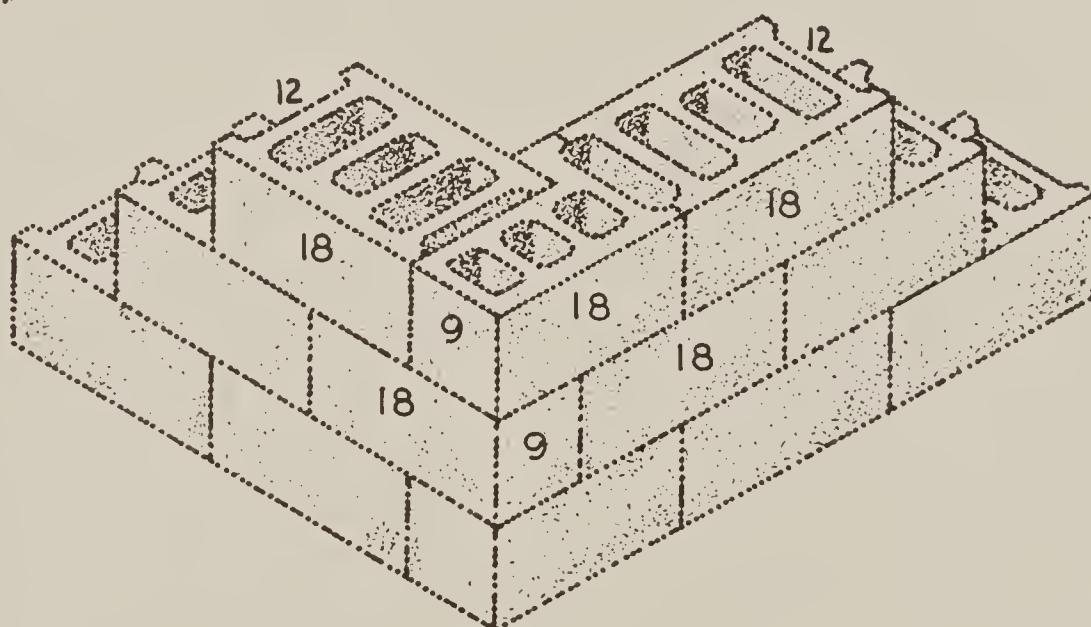
BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

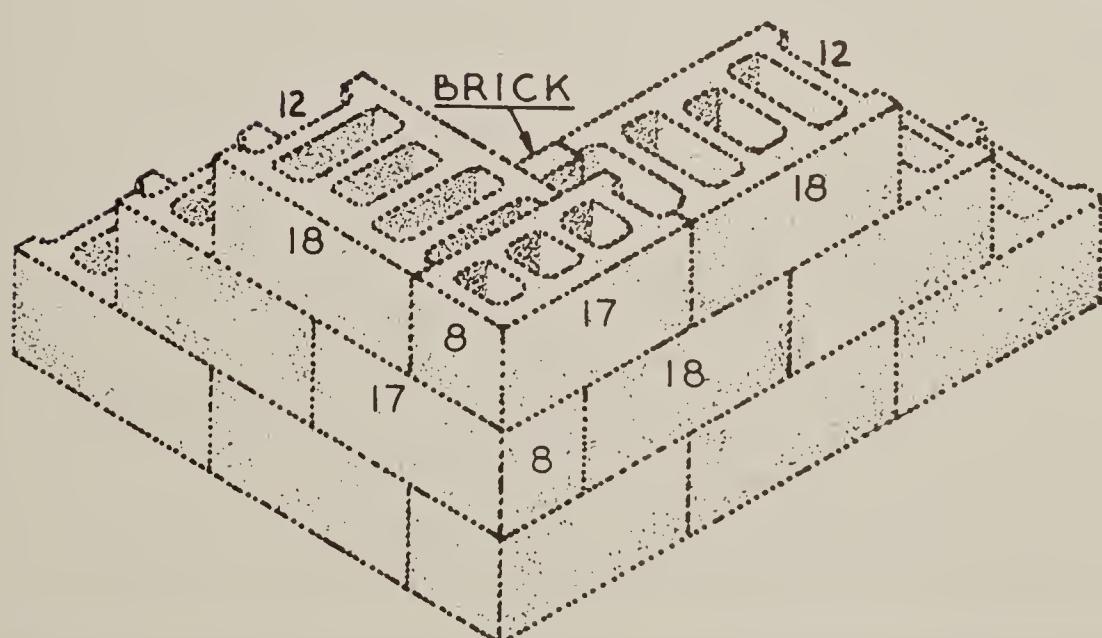
18" L-Corner Block IN USE



9 $\frac{5}{8}$ " WALL
Using 9 $\frac{5}{8}$ " L-Corner Block



11 $\frac{5}{8}$ " WALL
Using 11 $\frac{5}{8}$ " L-Corner Block

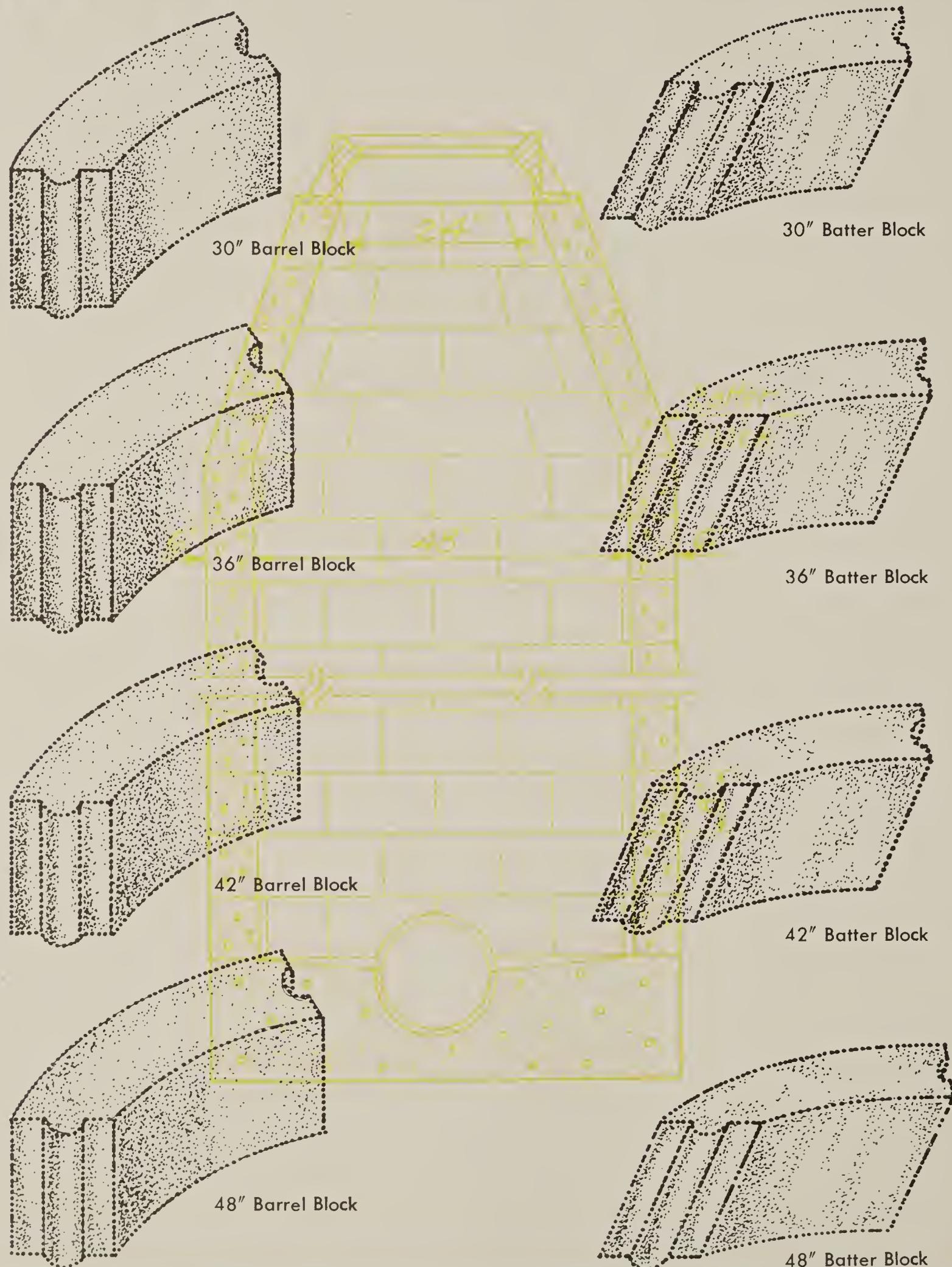


11 $\frac{5}{8}$ " WALL
Using Standard Concrete Brick

BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

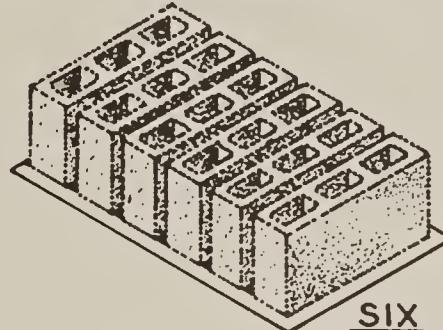
Manhole and Catch Basin Block



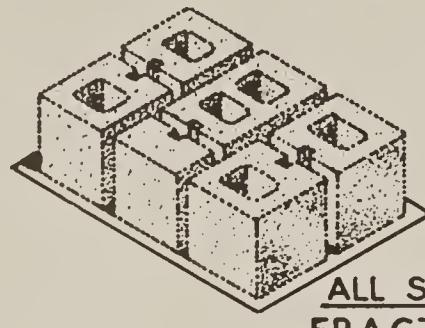
BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

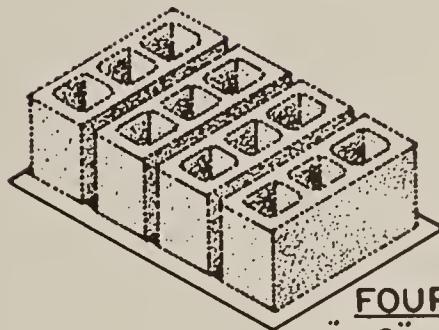
ARRANGEMENT OF VARIOUS STYLE UNITS ON ONE SET OF PLAIN PALLETS. YOU NEED ONLY ONE SET OF PALLETS FOR A VIBRAPAC. THE SAVING IN PALLETS PAYS FOR YOUR SUPER VIBRAPAC.



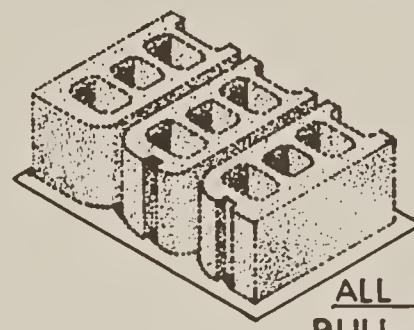
SIX
 $4'' \times 8'' \times 16''$



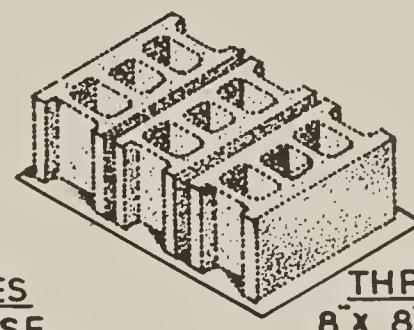
ALL SIZES
FRACTIONAL



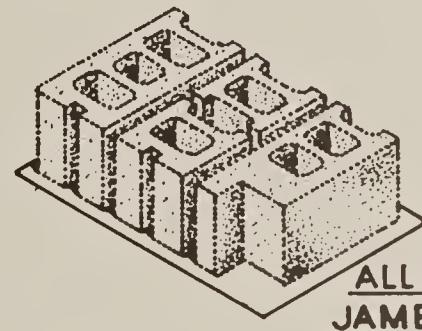
FOUR
 $6'' \times 8'' \times 16''$



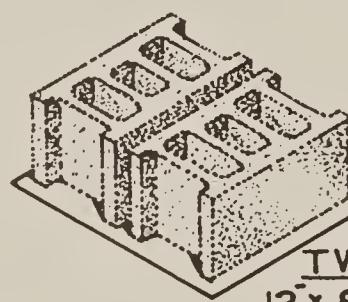
ALL STYLES
BULL NOSE



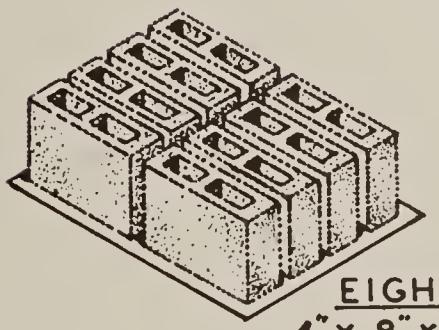
THREE
 $8'' \times 8'' \times 16''$



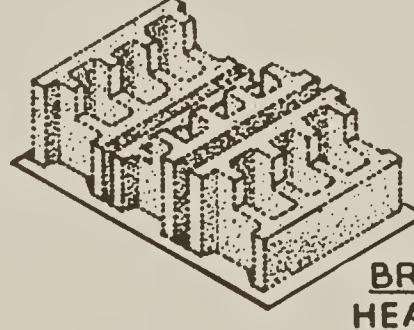
ALL STYLES
JAMB BLOCK



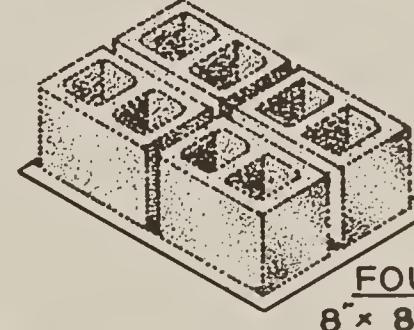
TWO
 $12'' \times 8'' \times 16''$



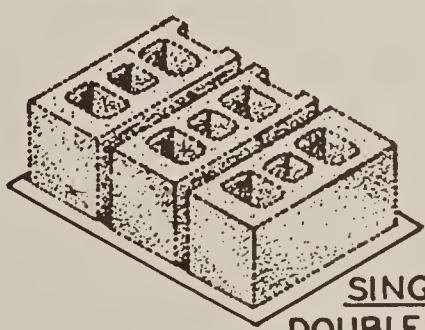
EIGHT
 $4'' \times 8'' \times 12''$



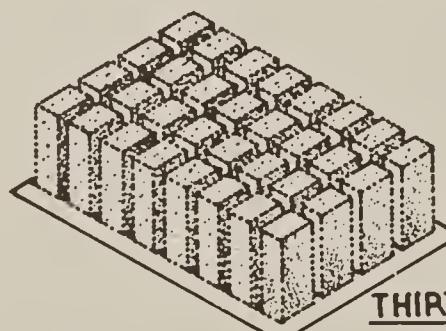
BRICK
HEADERS



FOUR
 $8'' \times 8'' \times 12''$



SINGLE &
DOUBLE CORNERS



THIRTY TWO
BRICK

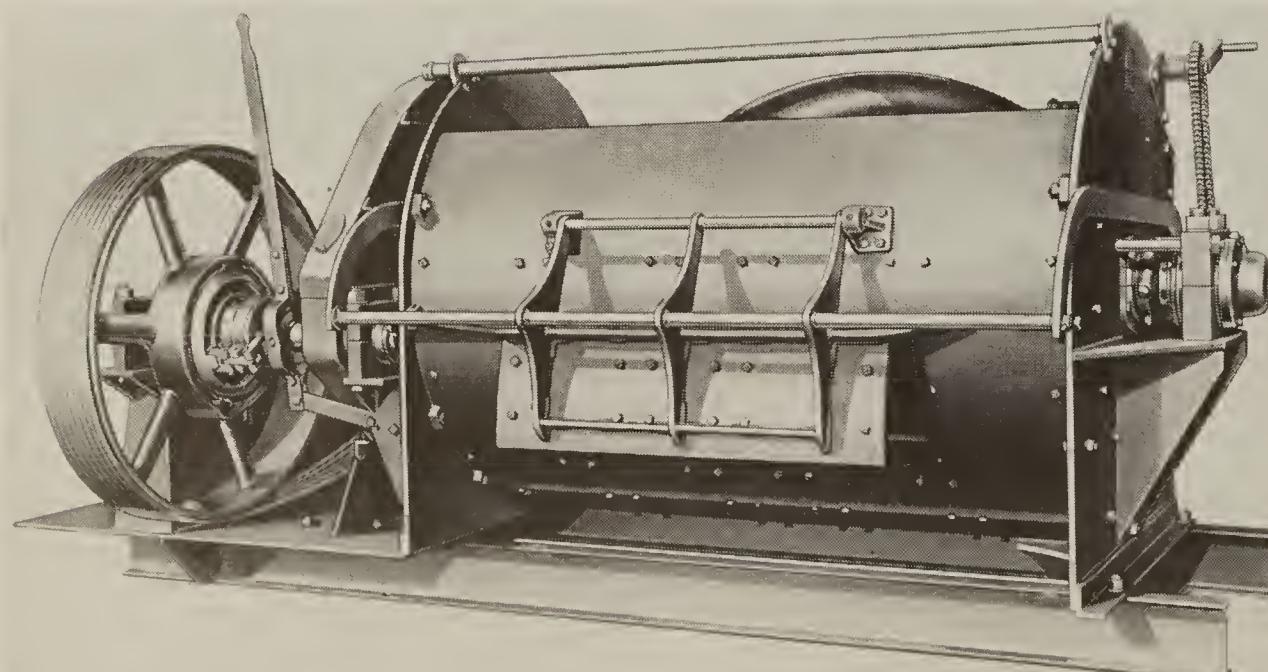
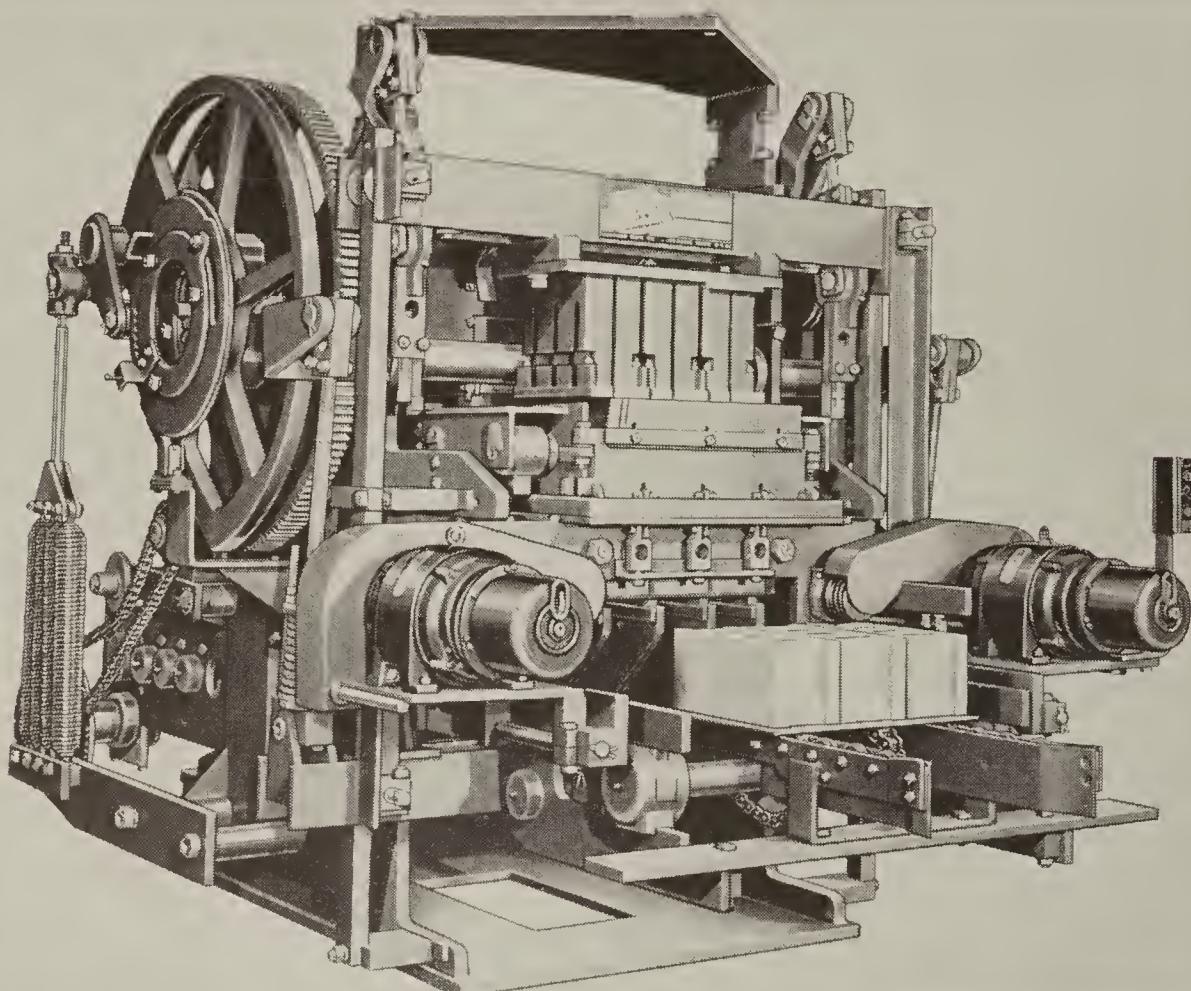
BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

BESSER SUPER VIBRAPAC AND BATCH MIXER The Heart of a Mass Production Quality Block Plant

BESSER SUPER VIBRAPAC

- 100% Automatic Operation
- One Set of Plain Pallets for all sizes of Block, Brick and Tile.
- Roller Bearing Equipped Throughout.
- Built Entirely of Steel Electrically Welded.
- One Man Power Off-Bearing.
- Undirectional Vibration from two 5 H.P. Motors.
- Vibration under 1000 pound pressure.



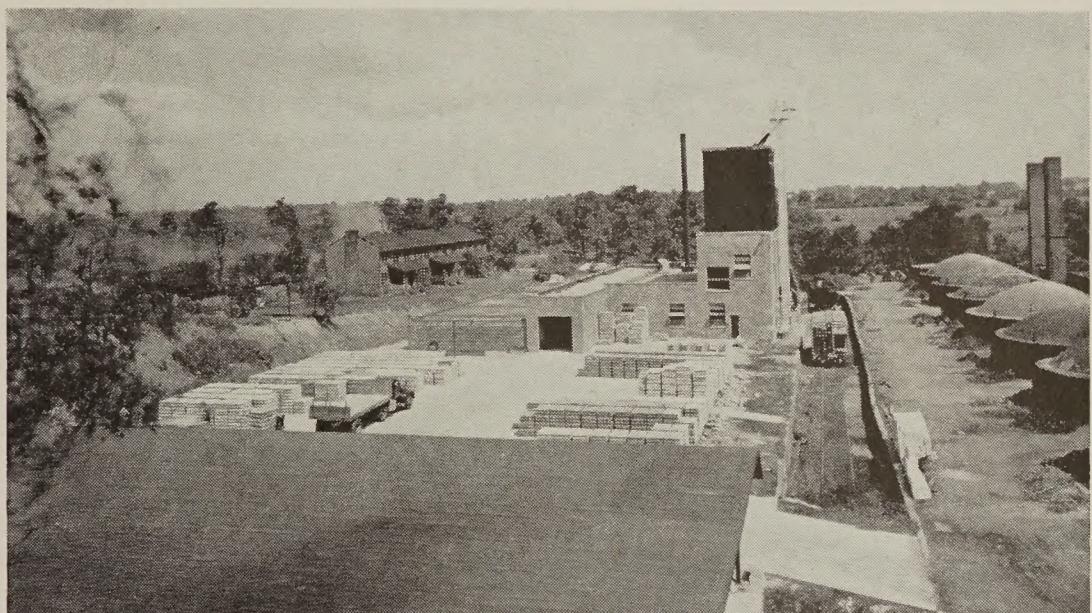
BESSER BATCH MIXER

- Steel cut Gears.
- Timken & Hyatt Roller Bearings.
- Mixer Blades of Wear-Long Metal.
- Mixer Liners of Wear-Long Metal.
- Gears Housed—running in a continuous bath of oil.
- Direct Vee Belt Drive, from 30 H.P. Ball Bearing Motor.
- Besser Extra Heavy Construction.

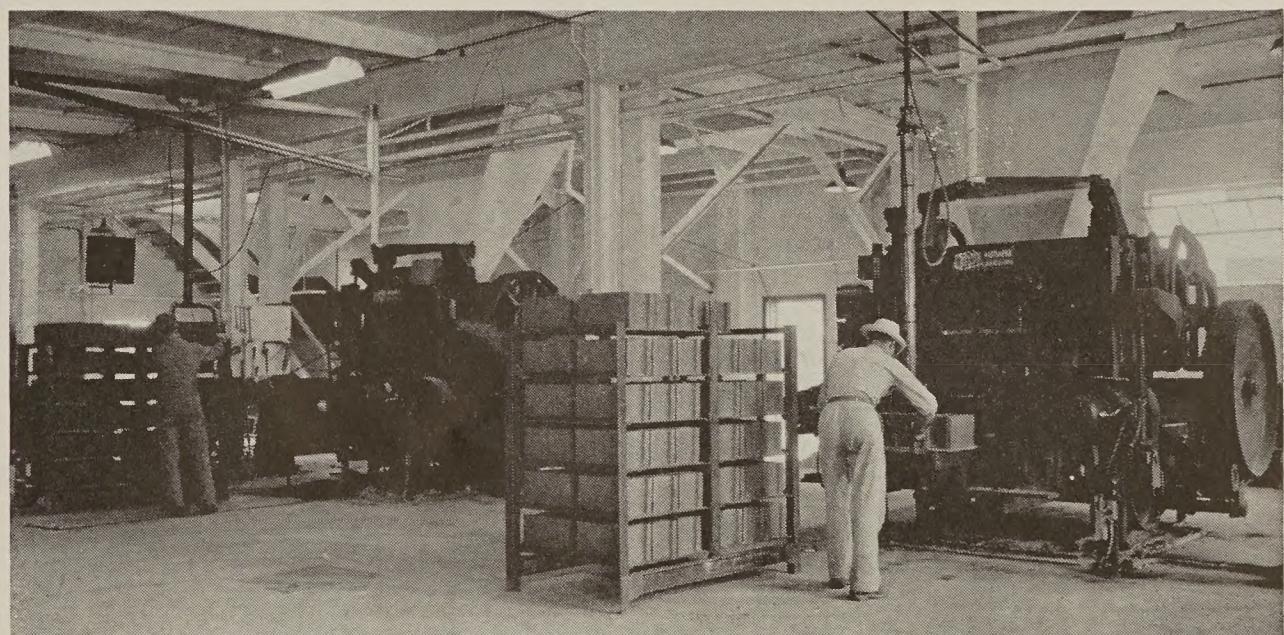
BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD

THREE VIEWS OF A MODERN BESSER ENGINEERED AND EQUIPPED BLOCK PLANT.



Background—Plant with overhead steel bins for material storage.
Middle foreground—Open block storage area.
Immediate foreground—Roof of covered block storage.



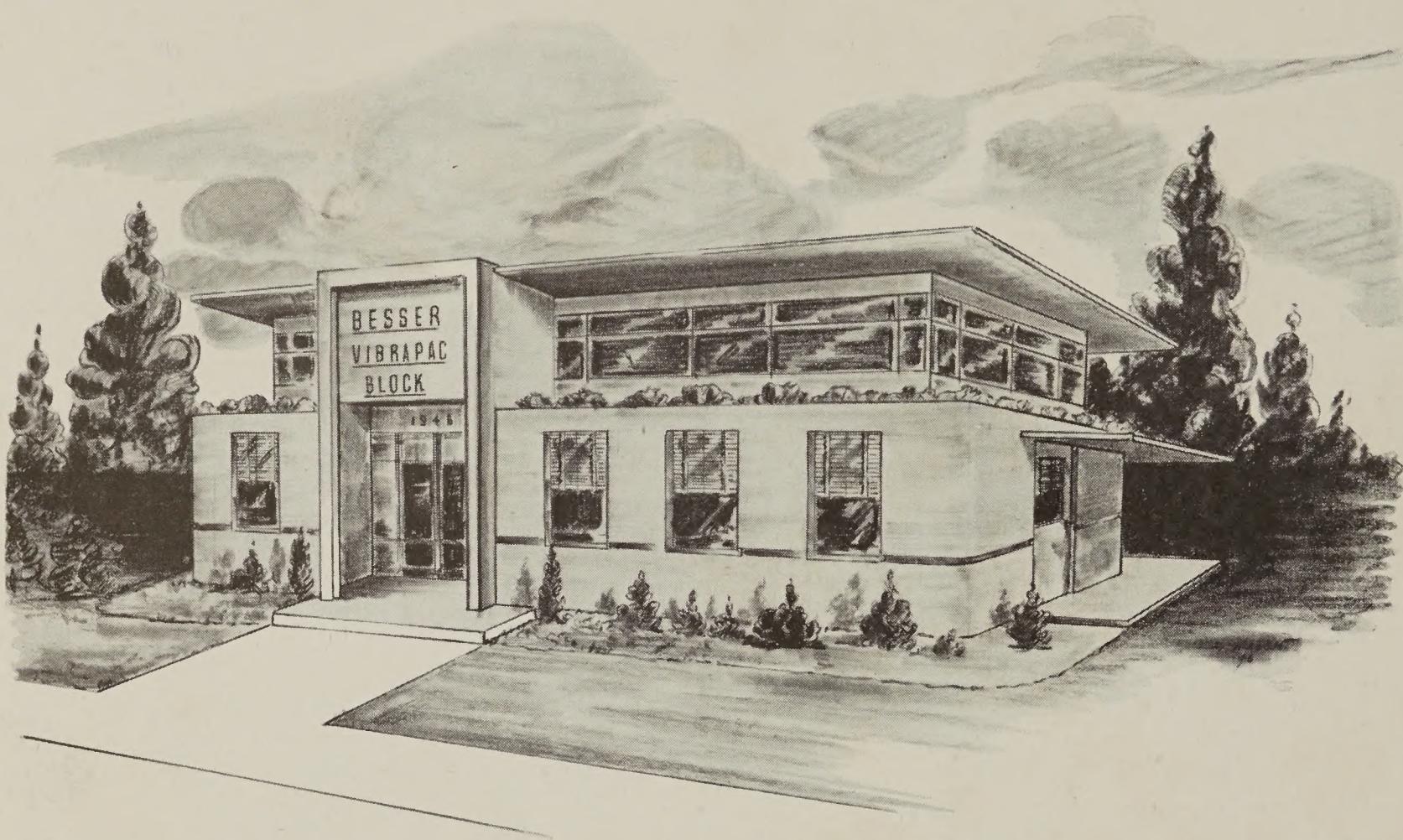
Two Super Vibrapacs in this plant make a total of 10,000—8" x 8" x 16" quality Block, or equivalent, per eight-hour day.



Power Lift Trucks, fork type, transporting green block into curing room and cured block to yard.

BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

BESSER MODULAR STANDARD



WOULD YOU LIKE A NEW OFFICE LIKE THIS AT YOUR PLANT?

Of course you would! You can build it using your own products.

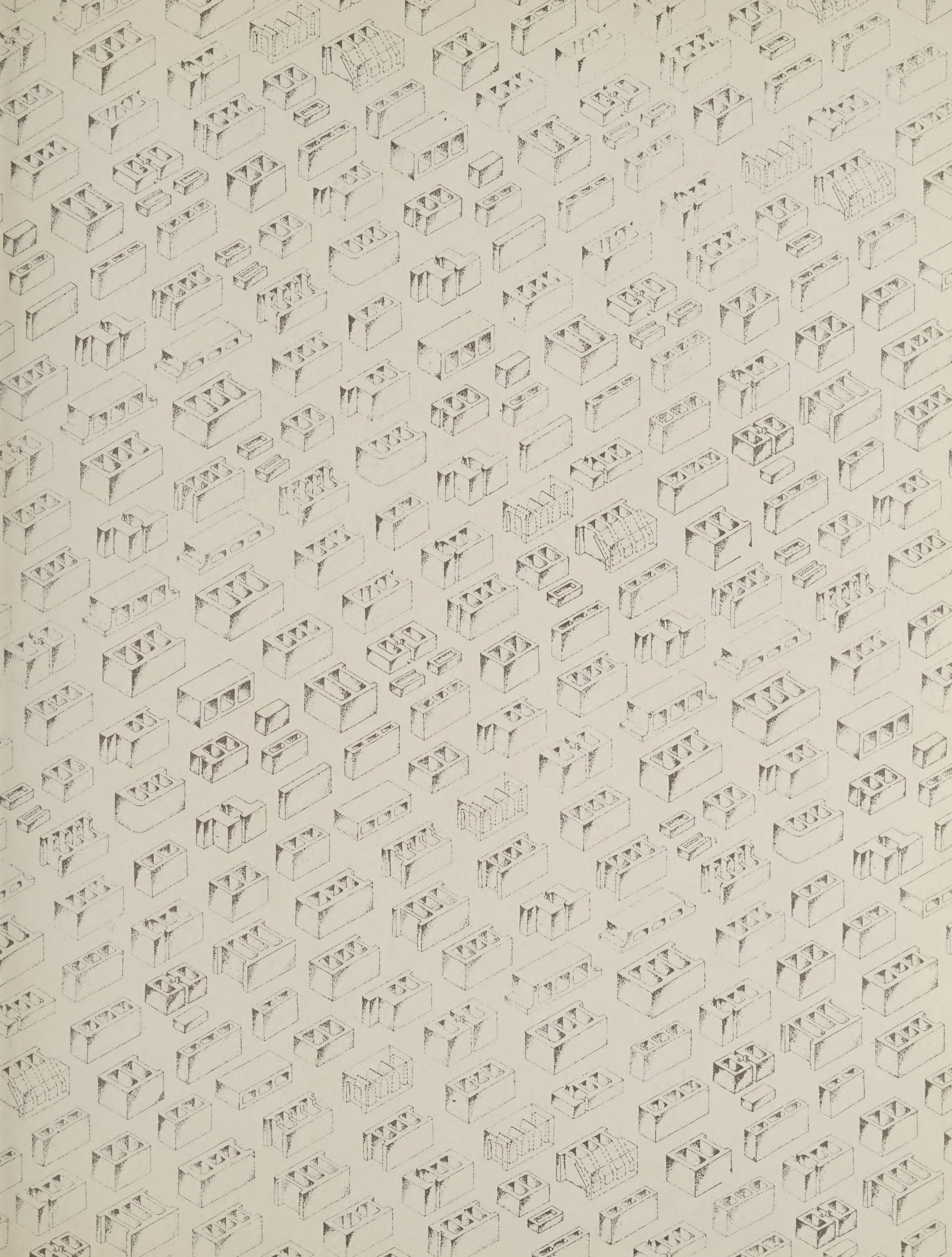
The cost will be low indeed when you consider the advertising value plus
—year-round healthful comfort for you and your office staff.

The first floor can be general and private offices. Second floor can be
devoted to product display space.

Send for free suggested floor plan.

10M 4-47

BESSER MANUFACTURING COMPANY - ALPENA, MICHIGAN, U.S.A.

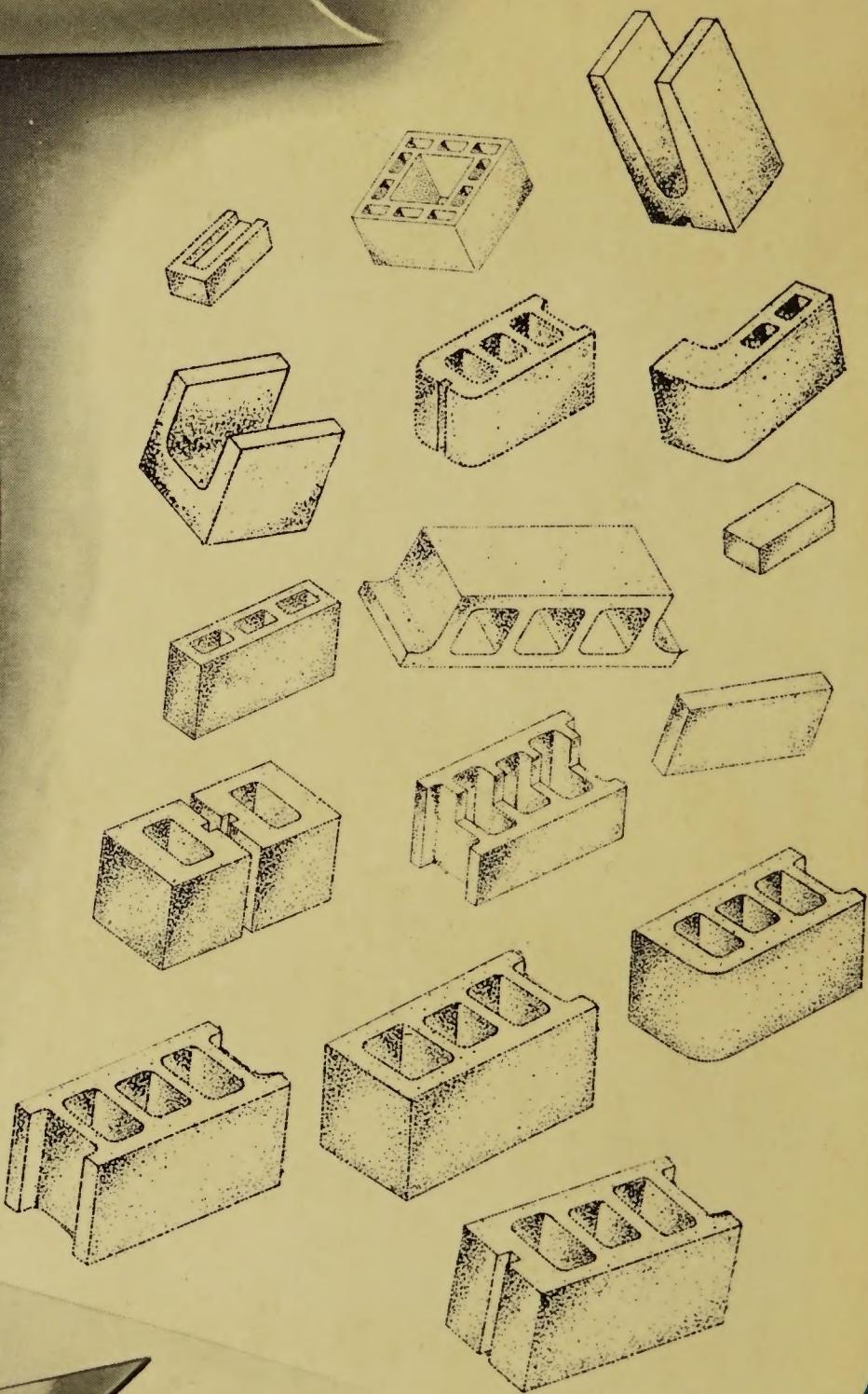


B E S S E R

DESIGNED AND ENGINEERED
CONCRETE BUILDING UNITS

FEATURES

- MODULAR DIMENSIONS
- STRONGER CENTER FACE SHELL
- EVERY BLOCK A CORNER BLOCK
- BEAUTIFUL TEXTURE
- ACCURATE DIMENSIONS
- CLEAN CUT PERMANENT ARRISSES
- WATER RESISTANT SURFACE



BESSER MANUFACTURING CO., ALPENA, MICHIGAN, U.S.A.